



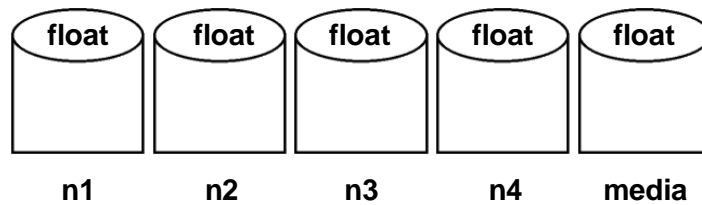
GRADUAÇÃO EM ANÁLISE E DESENVOLVIMENTO PROGRAMAÇÃO DE COMPUTADORES

Prática: Linguagem Simbólica

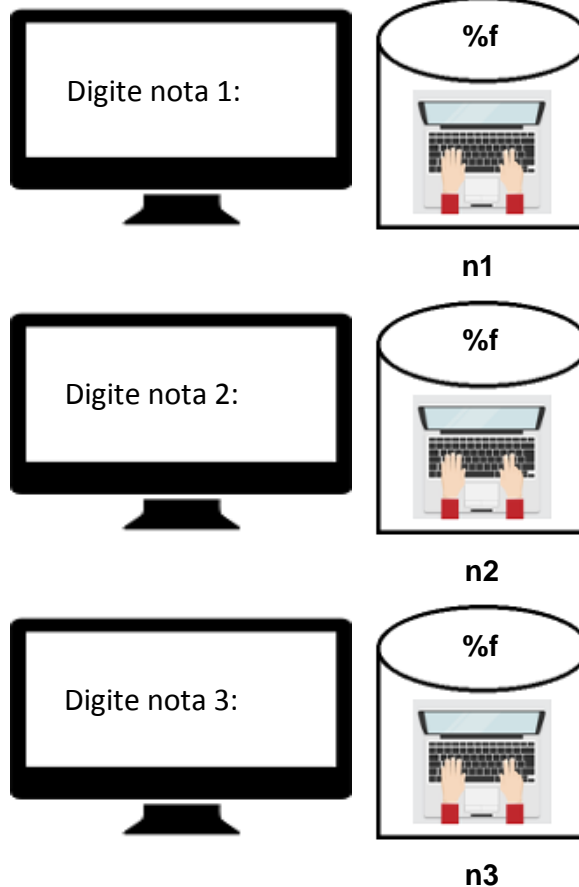


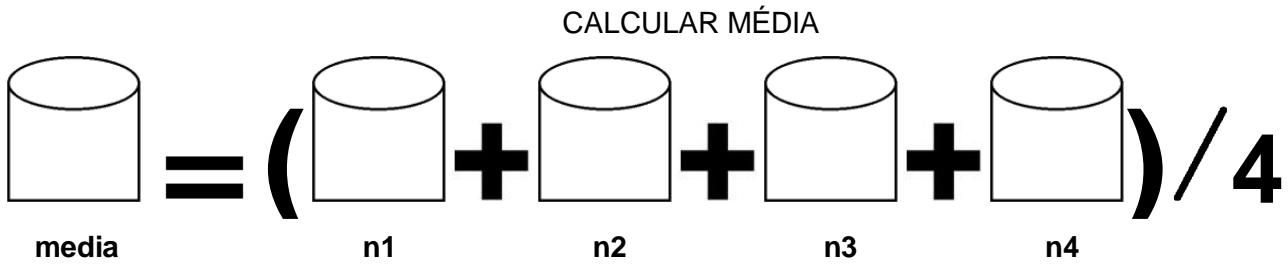
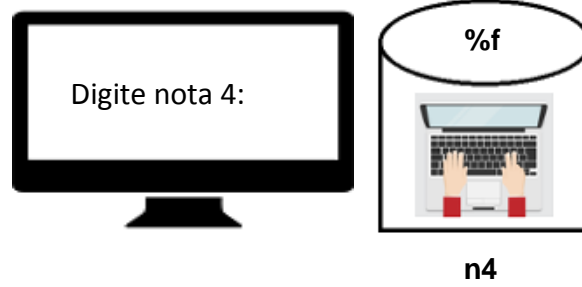
MÉDIA DAS NOTAS

DECLARAR VARIÁVEL

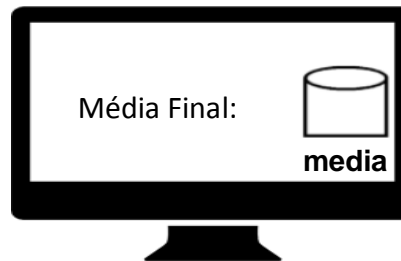


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL





MOSTRAR MENSAGEM USUÁRIO



EXEMPLO

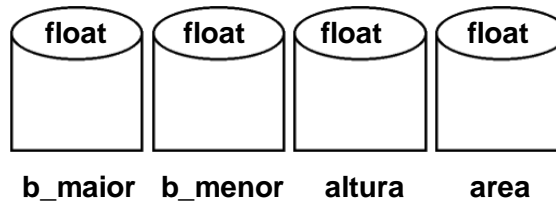
```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite nota 1: 9.0
Digite nota 2: 8.5
Digite nota 3: 9.5
Digite nota 4: 5.0

Média Final: 8.0
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

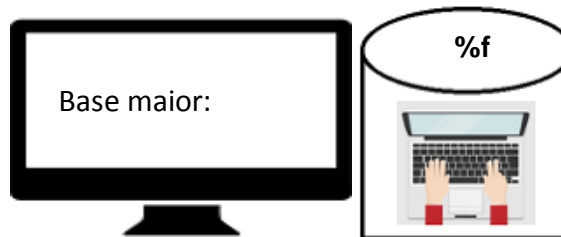


CALCULAR → ÁREA TRAPÉZIO

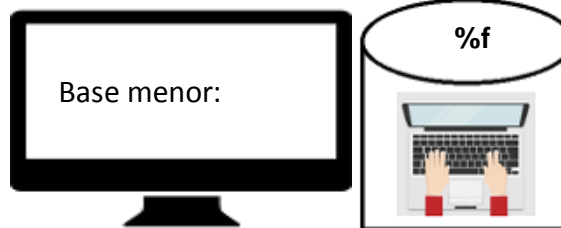
DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



b_maior

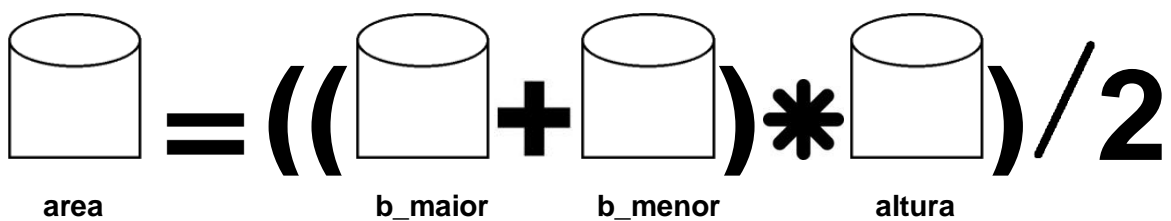


b_menor



altura

CALCULAR ÁREA LATERAL





MOSTRAR MENSAGEM USUÁRIO

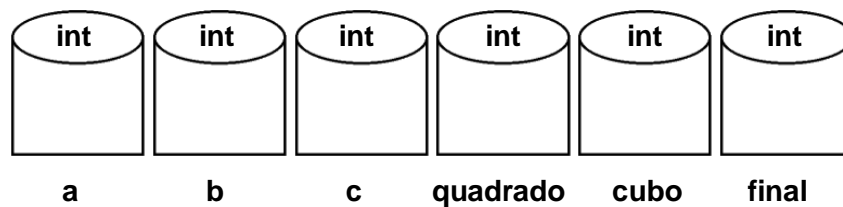


EXEMPLO

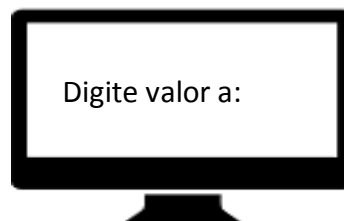
```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Base maior: 10
Base menor: 5
Altura: 6
Área trapézio: 45.00
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

AO QUADRADO, AO CUBO, DIVISÃO

DECLARAR VARIÁVEL

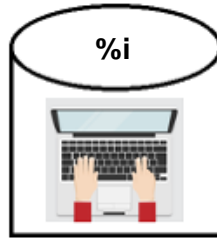


MOSTRAR MENSAGEM USUÁRIO



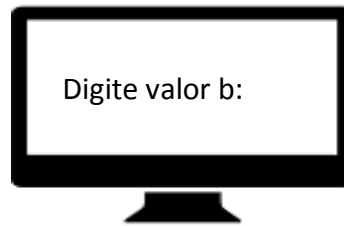


ARMAZENAR NA VARIÁVEL

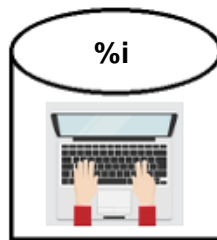


a

MOSTRAR MENSAGEM USUÁRIO

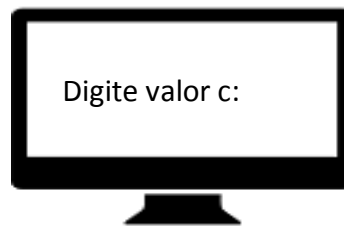


ARMAZENAR NA VARIÁVEL

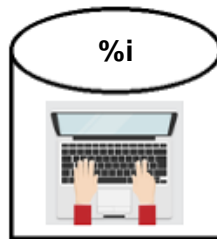


b

MOSTRAR MENSAGEM USUÁRIO



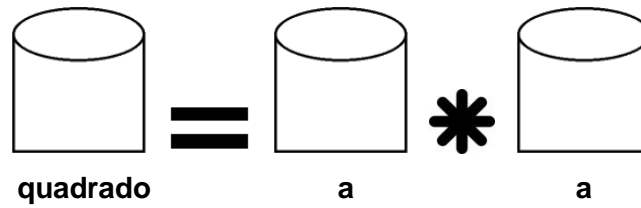
ARMAZENAR NA VARIÁVEL



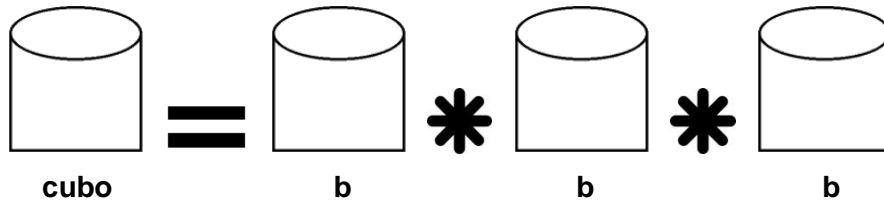
c



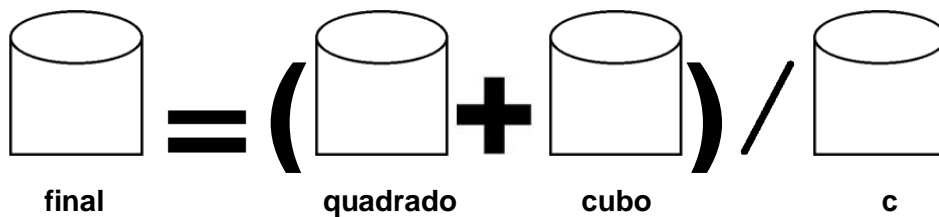
CALCULAR QUADRADO (a^2)



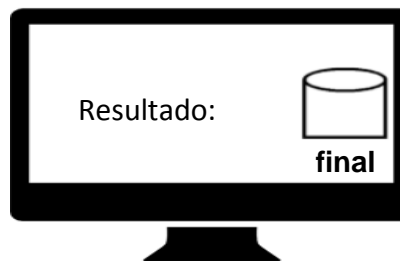
CALCULAR CUBO (b^3)



CALCULAR FINAL



MOSTRAR MENSAGEM USUÁRIO



EXEMPLO

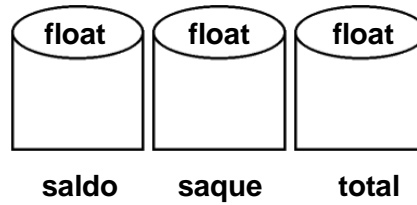
```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite valor a: 2
Digite valor b: 2
Digite valor c: 2

Resultado: 6
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

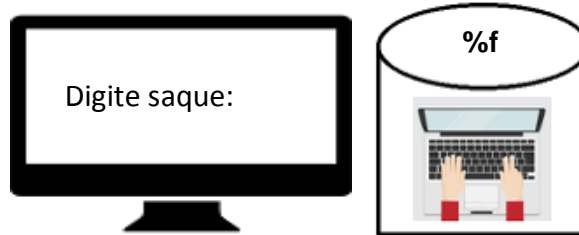


SALDO BANCÁRIO – SAQUE VALOR

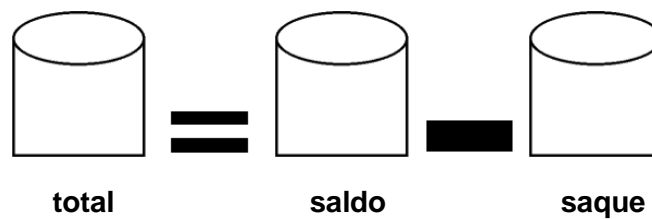
DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

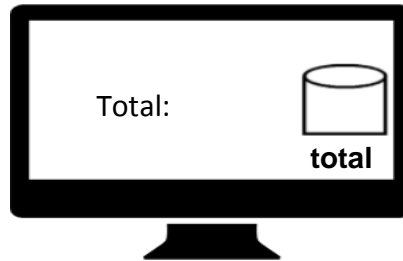


CALCULAR TOTAL





MOSTRAR MENSAGEM USUÁRIO



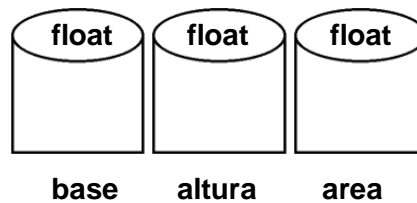
EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite saldo: 1200
Digite saque: 550

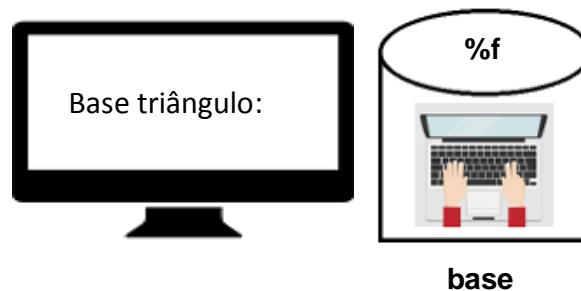
Total: 650.00
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

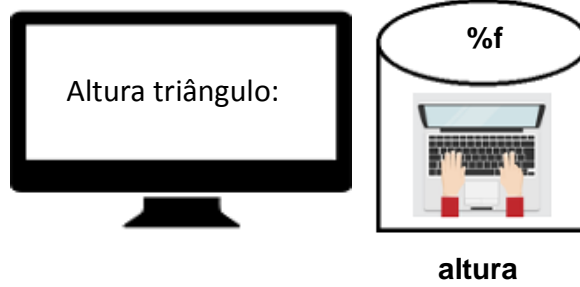
CALCULAR → ÁREA TRIÂNGULO

DECLARAR VARIÁVEL

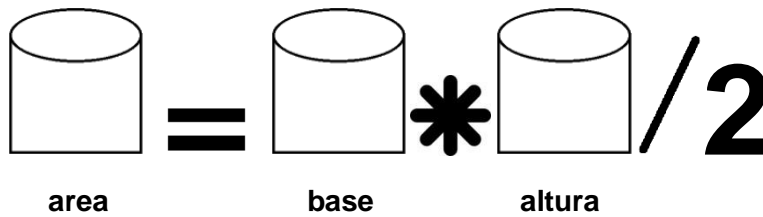


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

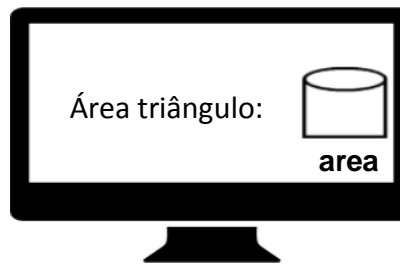




CALCULAR ÁREA LATERAL



MOSTRAR MENSAGEM USUÁRIO



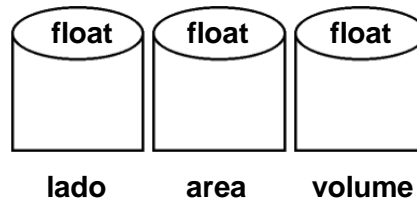
EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Base triângulo: 8
Altura triângulo: 3
Área triângulo: 12.00
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

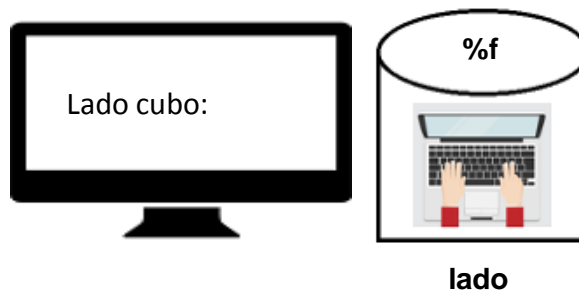


CALCULAR → ÁREA LATERAL CUBO + VOLUME CUBO

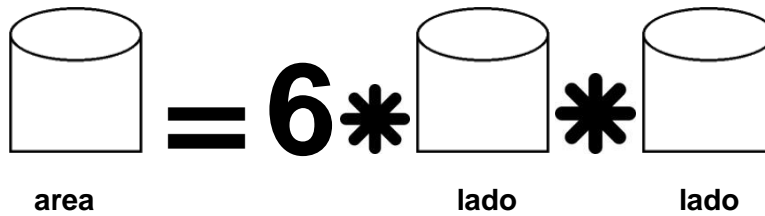
DECLARAR VARIÁVEL



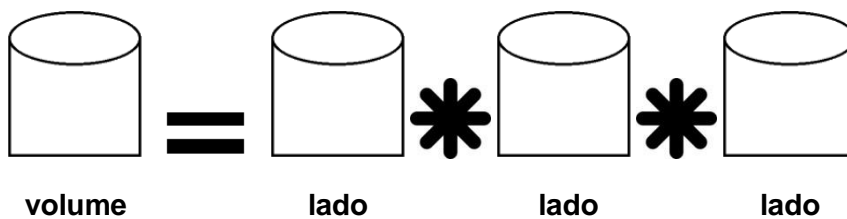
MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



CALCULAR ÁREA LATERAL

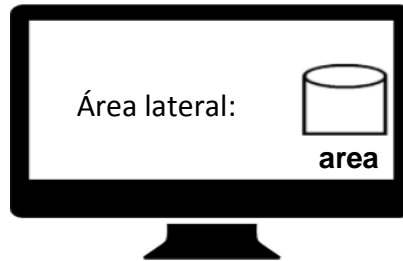


CALCULAR VOLUME

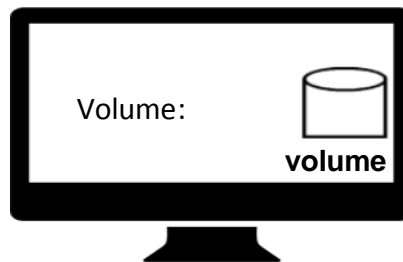




MOSTRAR MENSAGEM USUÁRIO



MOSTRAR MENSAGEM USUÁRIO



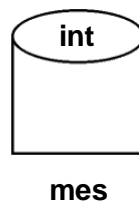
EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Lado cubo: 4

Área lateral: 96.00
Volume: 64.00
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

VERIFICAR MÊS CORRETO

DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



VERIFICAR MÊS



EXEMPLO



```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite mês: 10

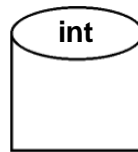
Válido!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite mês: 20

Inválido!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

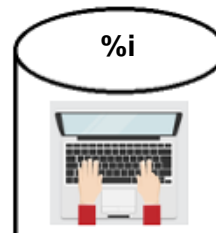
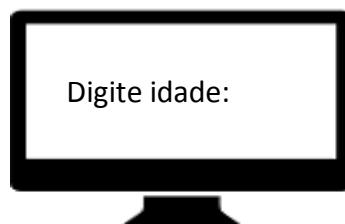
IDADE → CRIANÇA, ADOLESCENTE, ADULTO

DECLARAR VARIÁVEL



idade

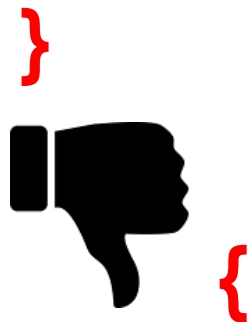
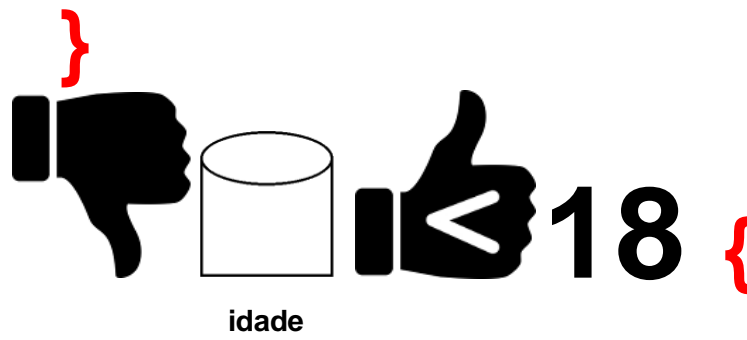
MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



idade



VERIFICAR IDADE





EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos x
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite idade: 8

Criança!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos x
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite idade: 16

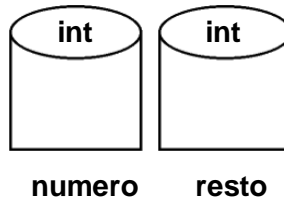
Adolescente!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos x
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite idade: 34

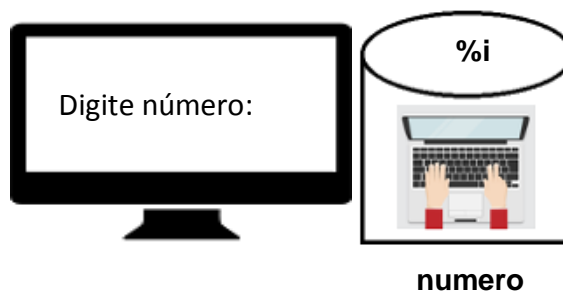
Adulto!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

NÚMERO → PAR OU ÍMPAR

DECLARAR VARIÁVEL

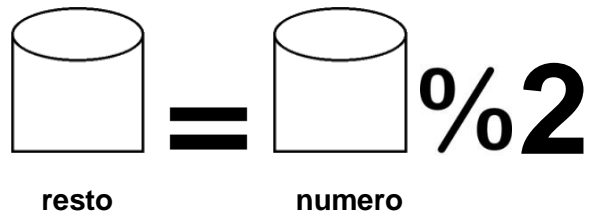


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

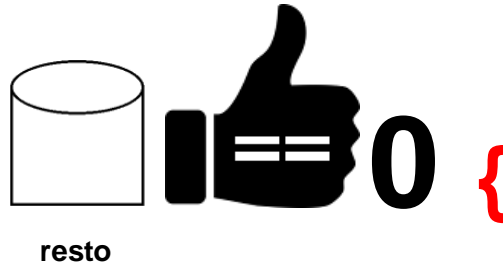




CALCULAR RESTO DIVISÃO



VERIFICAR VALOR RESTO DA DIVISAO





EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite número: 4

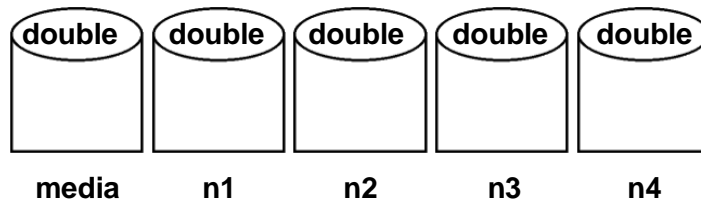
PAR!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite número: 7

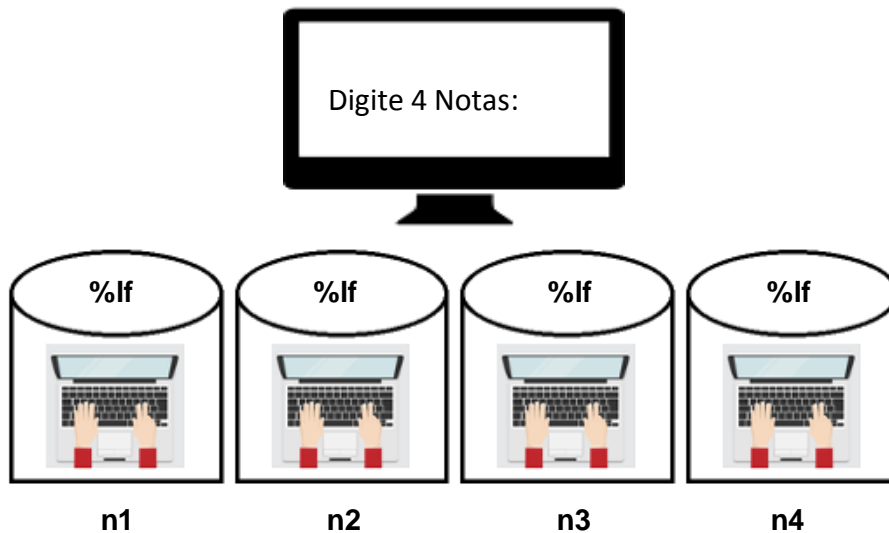
ÍMPAR!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

MÉDIA ALUNO → APROVADO, RECUPERAÇÃO, REPROVADO

DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NAS VARIÁVEIS

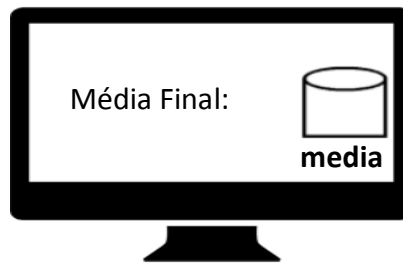




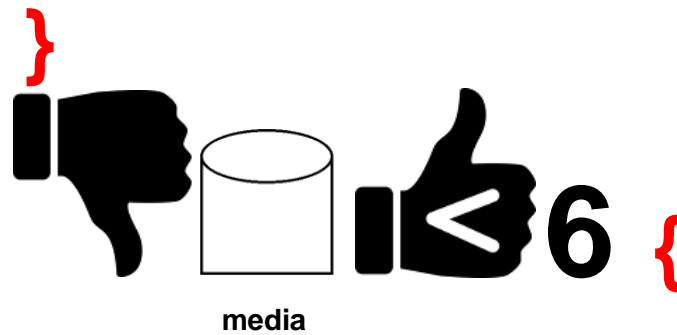
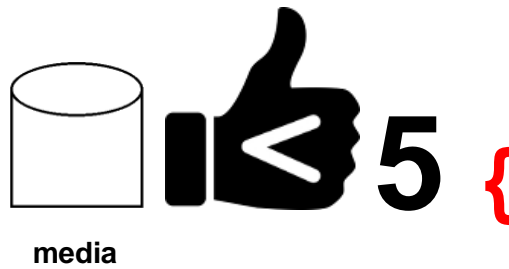
CALCULAR MÉDIA

$$\text{media} = \left(\text{n1} + \text{n2} + \text{n3} + \text{n4} \right) / 4$$

MOSTRAR MÉDIA



VERIFICAR MEDIA





EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite 4 notas: 4.5 3.5 5.0 2.0
Média Final: 3.75
Reprovado!

[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite 4 notas: 5.5 6.0 7.0 3.5
Média Final: 5.50
Recuperação!

[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

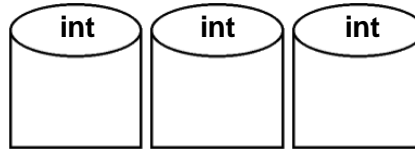
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite 4 notas: 8.5 10.0 6.0 9.0
Média Final: 8.38
Aprovado!

[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```



CAMPEÃO → Botafogo, Palmeiras e Cruzeiro

DECLARAR VARIÁVEL



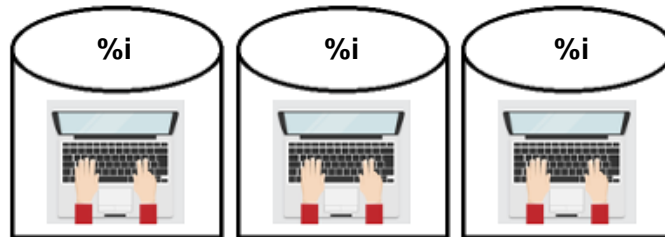
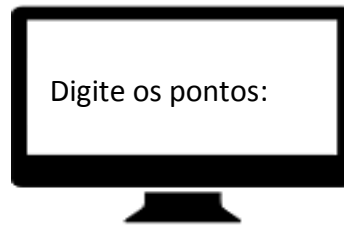
p1

p2

p3



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

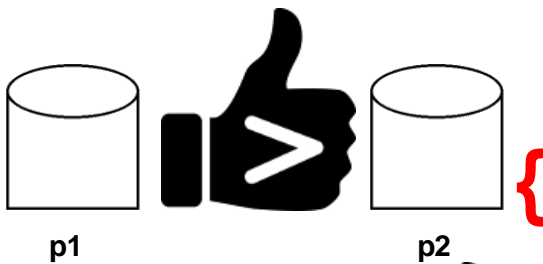


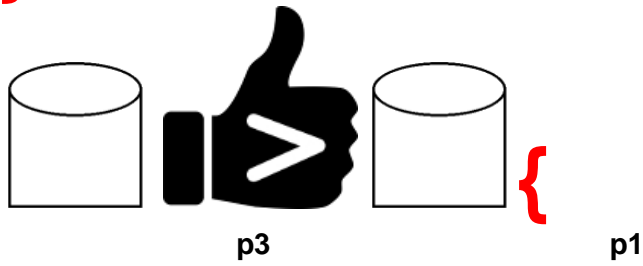
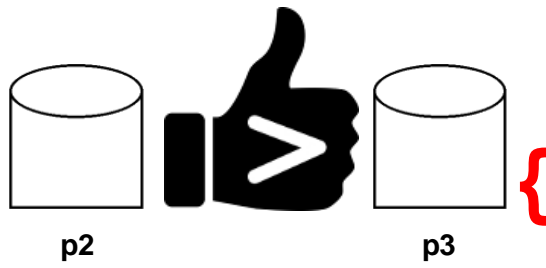
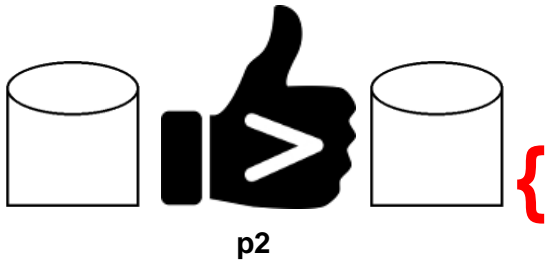
p1

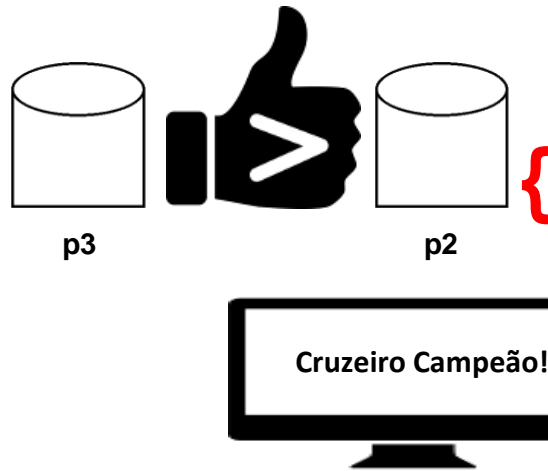
p2

p3

VERIFICAR CLASSIFICAÇÃO







EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite os pontos: 10 9 8

Botafogo Campeão!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite os pontos: 5 7 6

Palmeiras Campeão!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$

g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite os pontos: 9 7 10

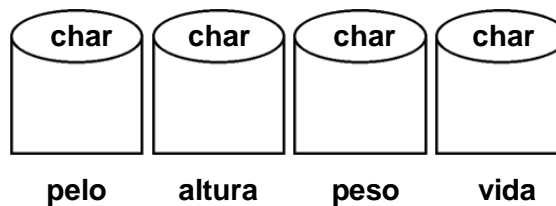
Cruzeiro Campeão!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```



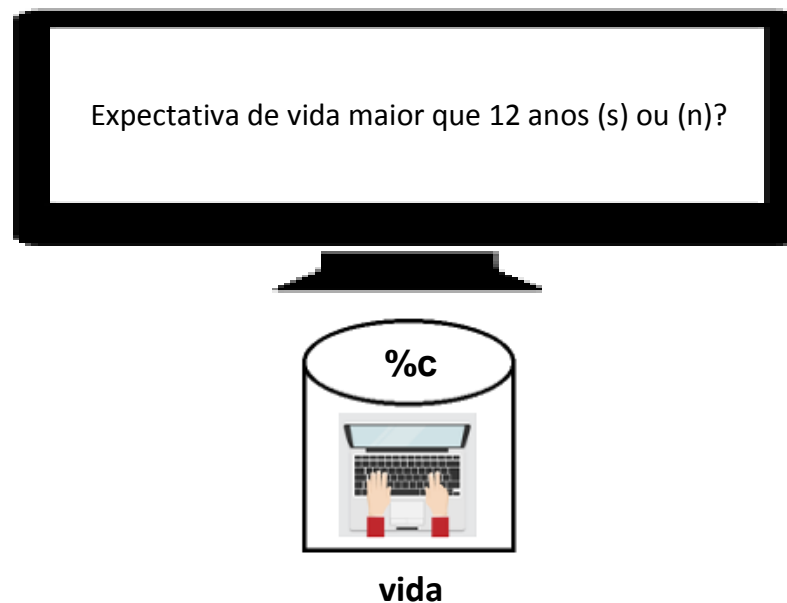
RAÇA CACHORRO → PERGUNTAR E ADVINHAR

RAÇA	PELAGEM	ALTURA	PESO	EXPECTATIVA DE VIDA
Dálmata	Curta	80 cm	25 kg	14 anos
Pastor Alemão	Média	80 cm	30 kg	14 anos
Bulldog Inglês	Curta	30 cm	30 kg	8 anos
Bull Terrier	Curta	30 cm	25 kg	12 anos
Labrador	Média	50 cm	50 kg	14 anos
São Bernardo	Longa	100 cm	70 kg	12 anos
Chow Chow	Longa	50 cm	30 kg	8 anos
Pequinês	Longa	30 cm	12 kg	12 anos
Cocker Inglês	Média	50 cm	25 kg	14 anos

DECLARAR VARIÁVEL

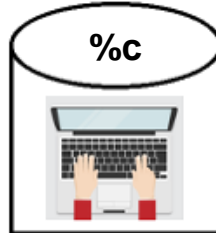


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NAS VARIÁVEIS



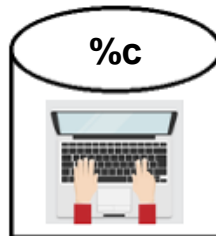


Pesa mais que 25kg (s) ou (n)?



peso

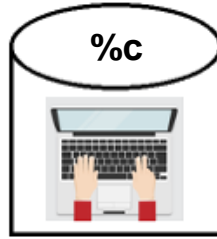
Altura maior que 70cm (s) ou (n)?



altura

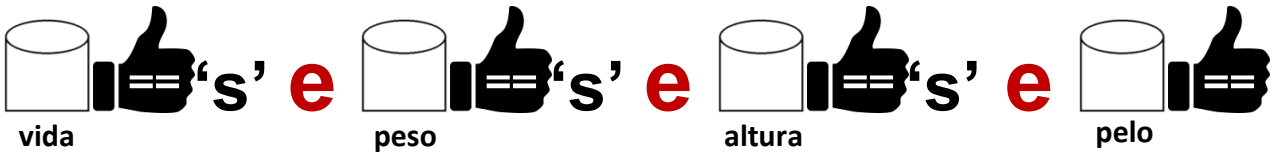
Pelagem curta (s) ou (n)?



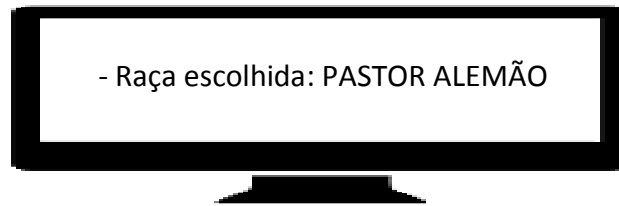


pele

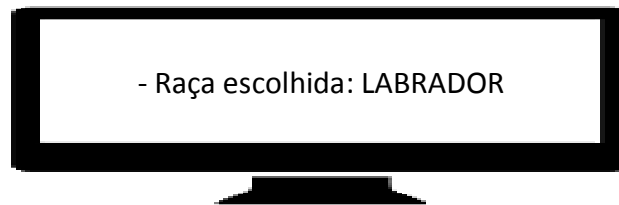
VERIFICAR RESPOSTAS



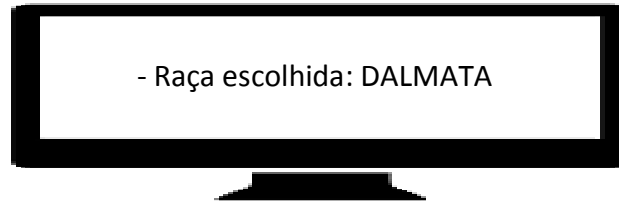
'n' {



'n' {



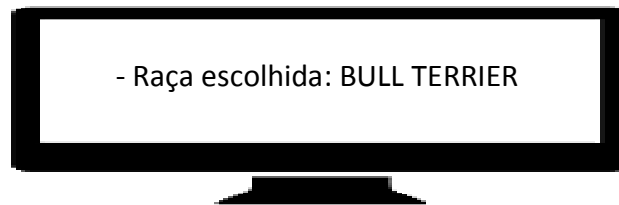
's' {



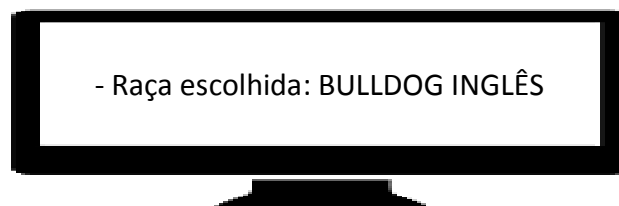
}
vida peso altura pelo
↓ ↑ 's' e ↑ 'n' e ↑ 'n' e
↑ 'n' {



}
vida peso altura pelo
↓ ↑ 'n' e ↑ 'n' e ↑ 'n' e
↑ 's' {



}
vida peso altura pelo
↓ ↑ 'n' e ↑ 's' e ↑ 'n' e
↑ 's' {





}

'n' e

 's' e

 's' e

vida peso altura pelo

'n' {

- Raça escolhida: SÃO BERNARDO

}

'n' e

 's' e

 'n' e

vida peso altura pelo

'n' {

- Raça escolhida: CHOWN-CHOWN

}

'n' e

 'n' e

 'n' e

vida peso altura pelo

'n' {

- Raça escolhida: PEQUINÊS



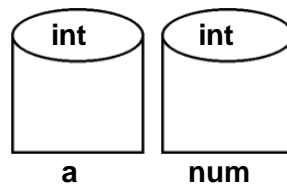
EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Expectativa de vida maior que 12 anos (s) ou (n)? n
Pesa mais que 25kg (s) ou (n)? s
Altura maior que 70cm (s) ou (n)? n
Pelagem curta (s) ou (n)? s

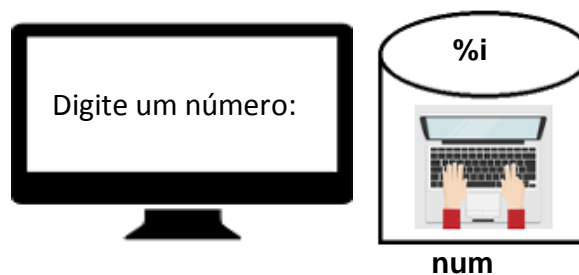
- Raça escolhida: 'BULLDOG INGLÊS'!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

GERAR VALORES → CRESCENTE

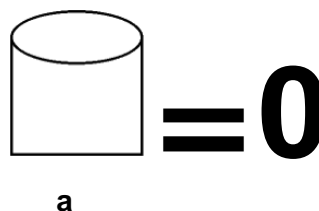
DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

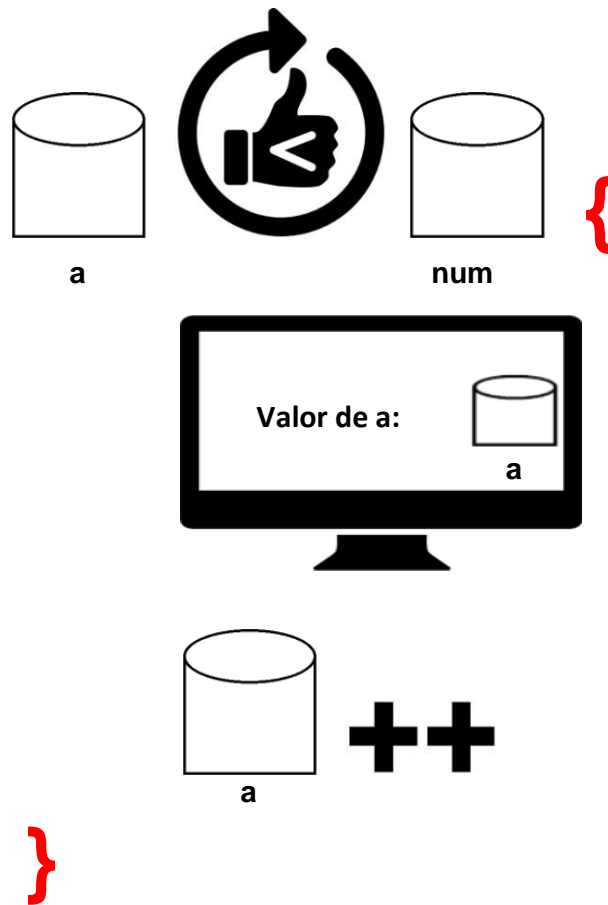


ARMAZENAR VALOR NA VARIÁVEL





GERA OS NÚMEROS



EXEMPLO

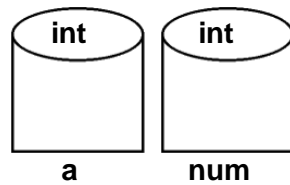
```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite um número: 4

Valor de a: 0
Valor de a: 1
Valor de a: 2
Valor de a: 3
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

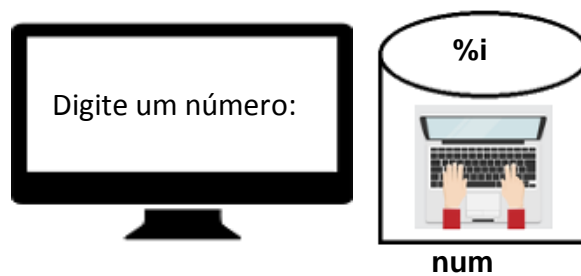


GERAR VALORES → DECRESCENTE

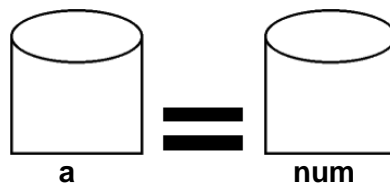
DECLARAR VARIÁVEL



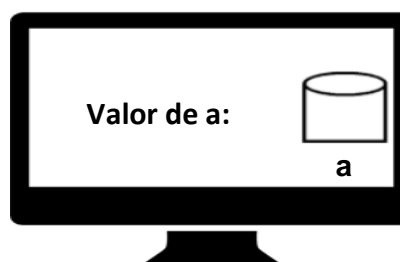
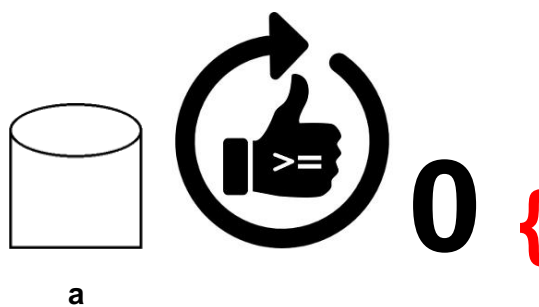
MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

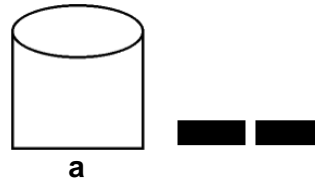


ARMAZENAR VALOR NA VARIÁVEL



GERA OS NÚMEROS





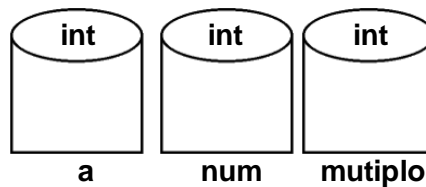
EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite um número: 4

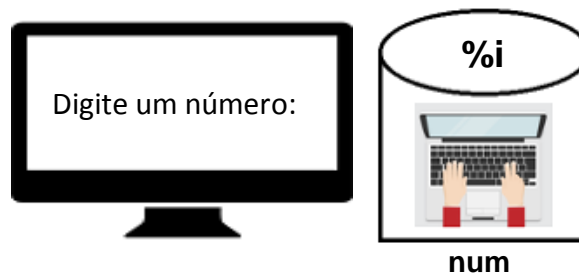
Valor de a: 4
Valor de a: 3
Valor de a: 2
Valor de a: 1
Valor de a: 0
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

TRÊS PRIMEIROS MÚLTIPLOS

DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL





MOSTRAR MENSAGEM USUÁRIO



GERA OS MÚTIPLoS

