



# ENSINO MÉDIO INTEGRADO – INFORMÁTICA LINGUAGEM DE PROGRAMAÇÃO

*Prática: Linguagem Simbólica*

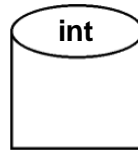


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## VERIFICAR MÊS CORRETO

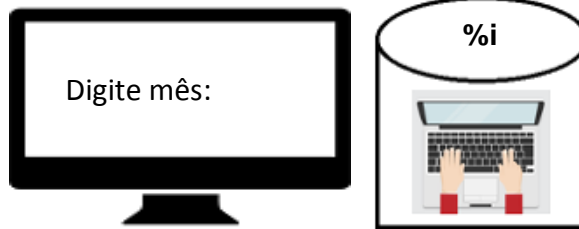
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DECLARAR VARIÁVEL



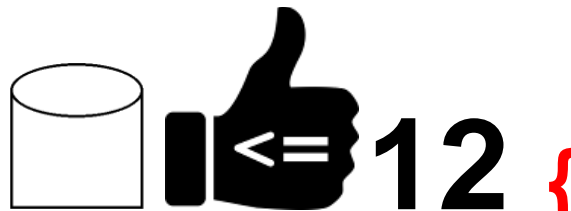
mes

MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



mes

VERIFICAR MÊS



mes





### 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

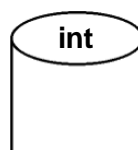
Inválido!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

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## IDADE → CRIANÇA, ADOLESCENTE, ADULTO

---

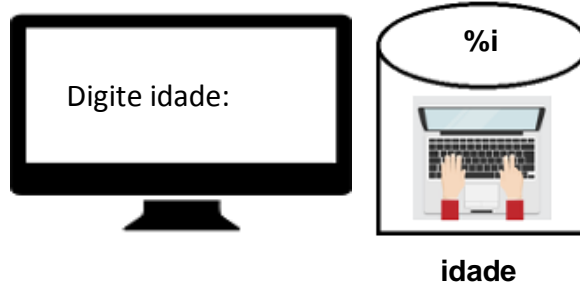
DECLARAR VARIÁVEL



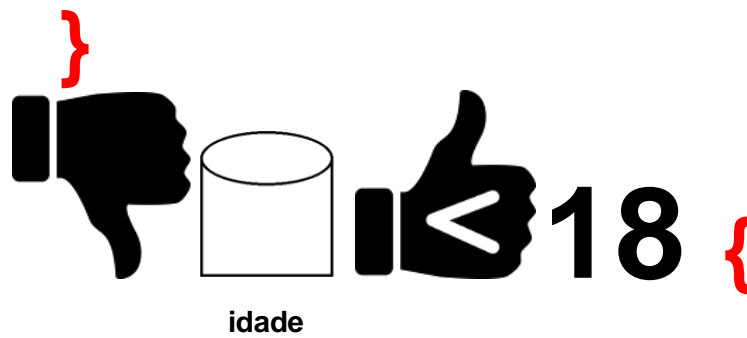
idade

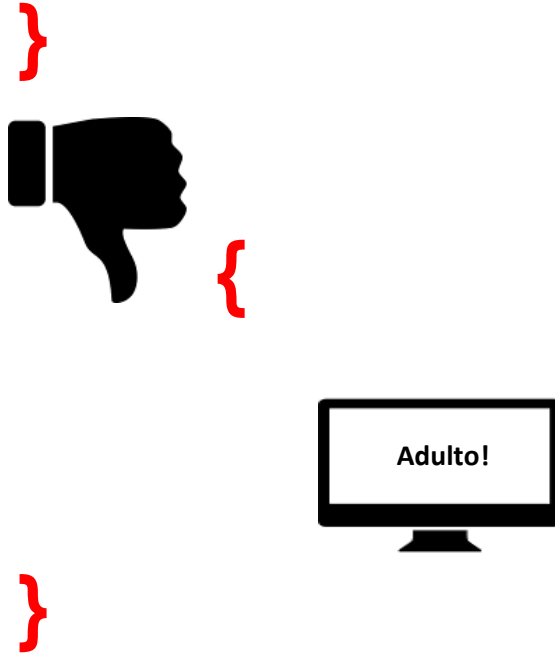


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



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]$
```

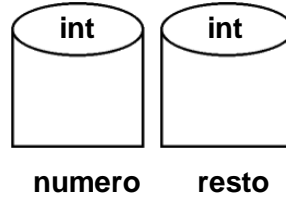


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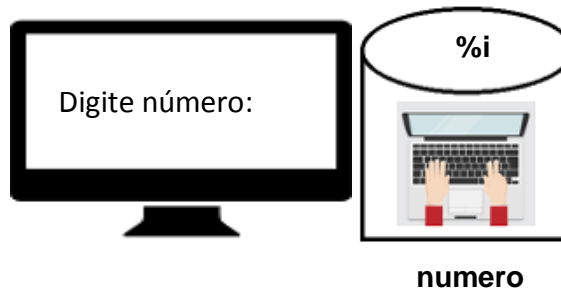
## NÚMERO → PAR OU ÍMPAR

---

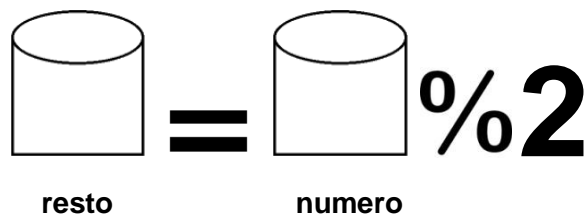
DECLARAR VARIÁVEL



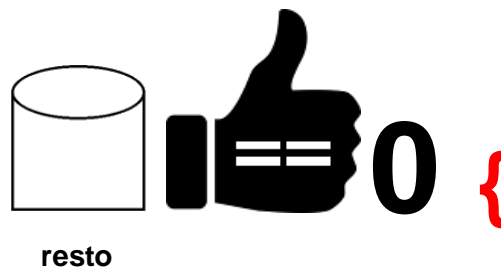
MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



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]$

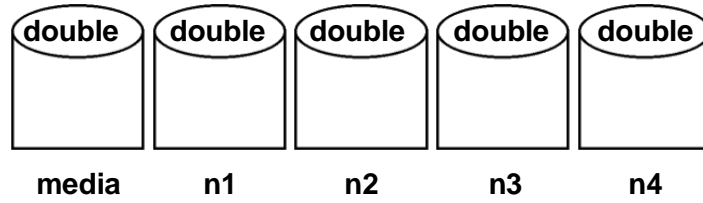
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Digite número: 7
ÍMPAR!
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

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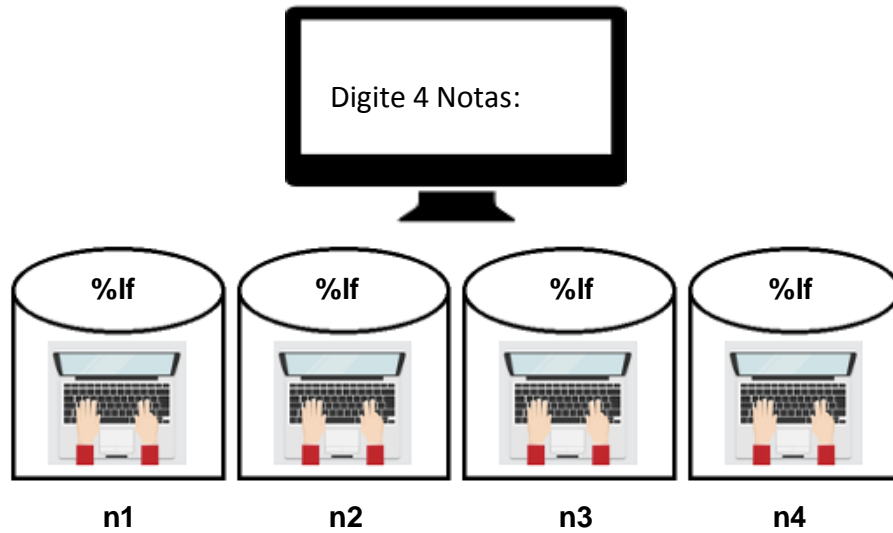
**MÉDIA ALUNO → APROVADO, RECUPERAÇÃO, REPROVADO**

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DECLARAR VARIÁVEL



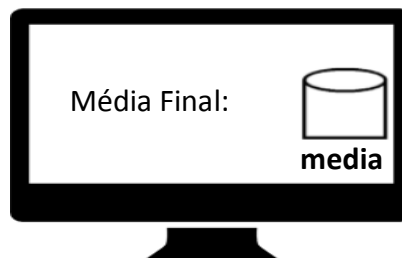
MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NAS VARIÁVEIS



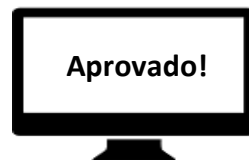
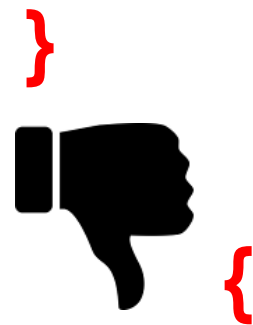
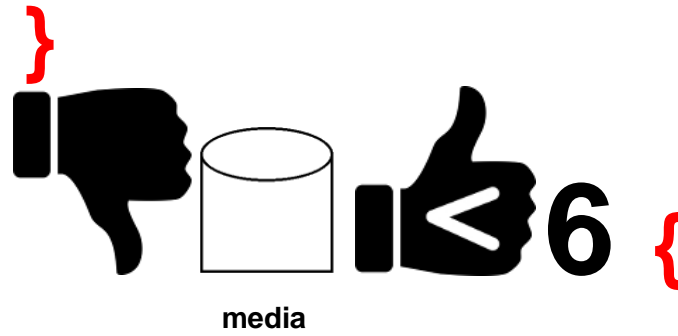
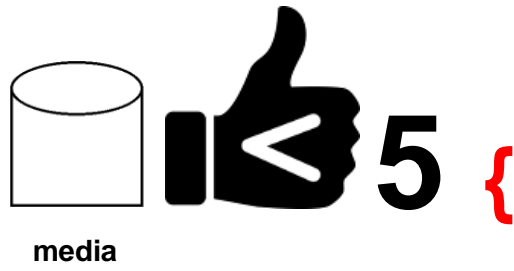
CALCULAR MÉDIA

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

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!

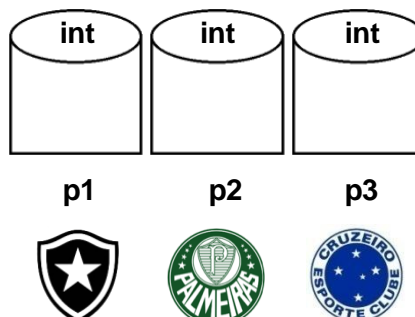
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

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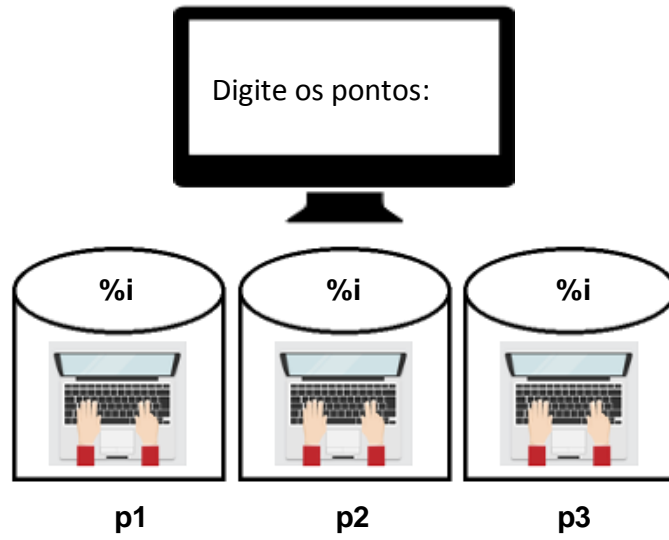
## CAMPEÃO → Botafogo, Palmeiras e Cruzeiro

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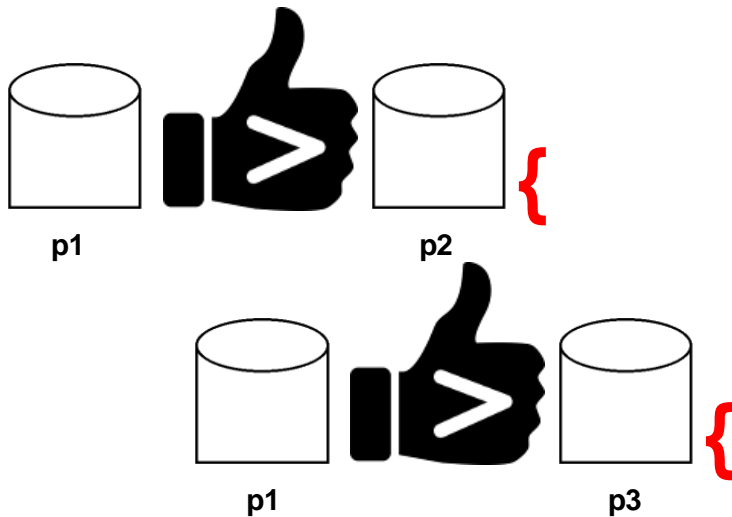
DECLARAR VARIÁVEL

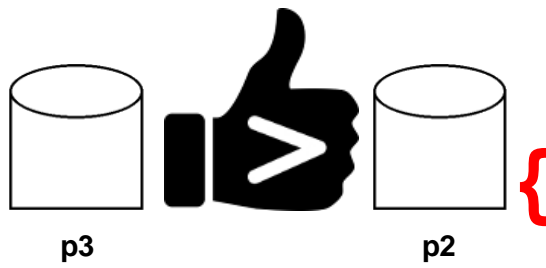
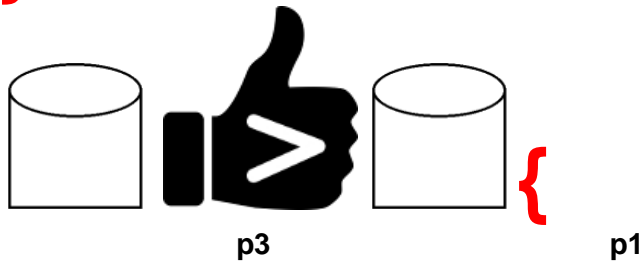
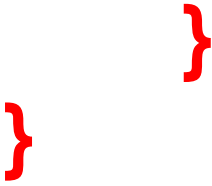
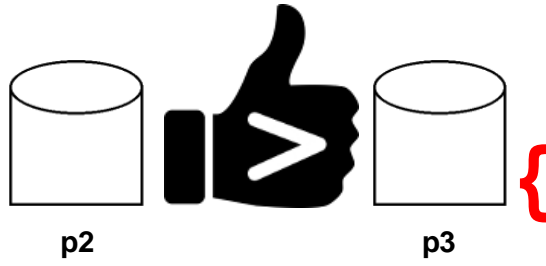
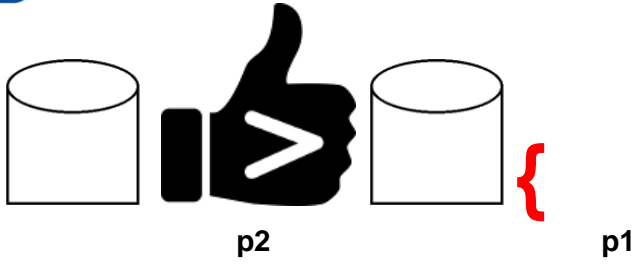


MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



VERIFICAR CLASSIFICAÇÃO







## EXEMPLO

```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos x
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 x
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 x
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]$
```

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## RAÇA CACHORRO → PERGUNTAR E ADVINHAR

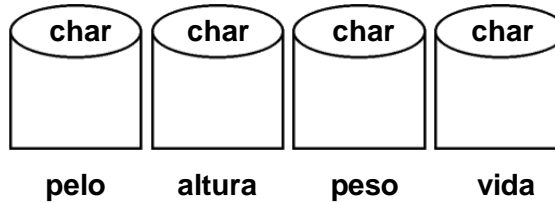
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RAÇA	PELAGEM	ALTURA	PESO	EXPECTATIVA DE VIDA
<b>Dálmata</b>	Curta	80 cm	25 kg	14 anos
<b>Pastor Alemão</b>	Média	80 cm	30 kg	14 anos
<b>Bulldog Inglês</b>	Curta	30 cm	30 kg	8 anos
<b>Bull Terrier</b>	Curta	30 cm	25 kg	12 anos
<b>Labrador</b>	Média	50 cm	50 kg	14 anos

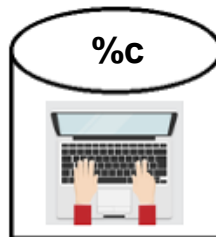
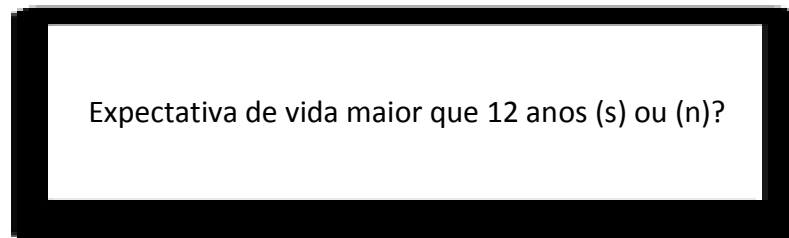


<b>São Bernardo</b>	Longa	100 cm	70 kg	12 anos
<b>Chow Chow</b>	Longa	50 cm	30 kg	8 anos
<b>Pequinês</b>	Longa	30 cm	12 kg	12 anos
<b>Cocker Inglês</b>	Média	50 cm	25 kg	14 anos

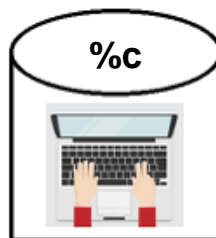
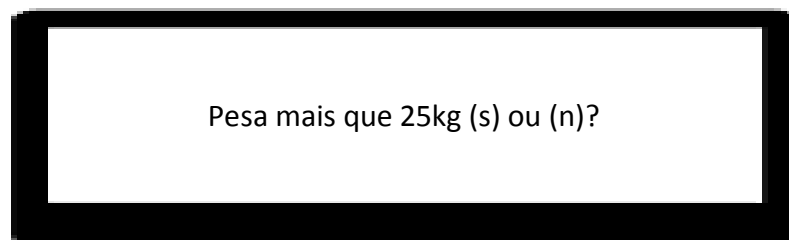
DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NAS VARIÁVEIS



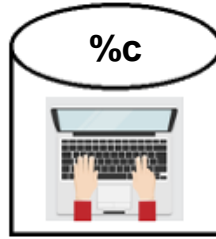
vida



peso

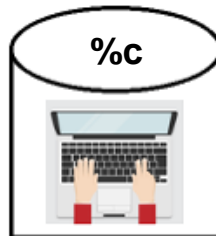


Altura maior que 70cm (s) ou (n)?



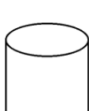







altura

Pelagem curta (s) ou (n)?



pelo

VERIFICAR RESPOSTAS

  's' e   's' e   's' e    
vida peso altura pelo  
'n'{'



- Raça escolhida: PASTOR ALEMÃO



- Raça escolhida: LABRADOR



- Raça escolhida: DALMATA



- Raça escolhida: COCKER INGLÊS

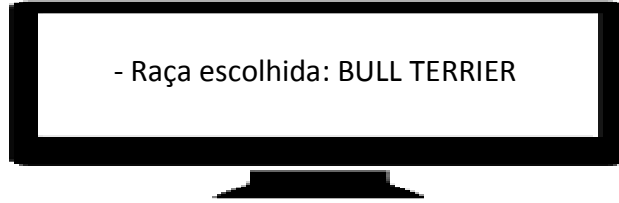


}

'n' e
 
 'n' e
 
 'n' e

vida                      peso                      altura                      pelo

's' {

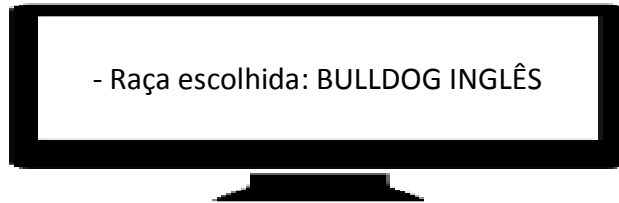


}

'n' e
 
 's' e
 
 'n' e

vida                      peso                      altura                      pelo

's' {

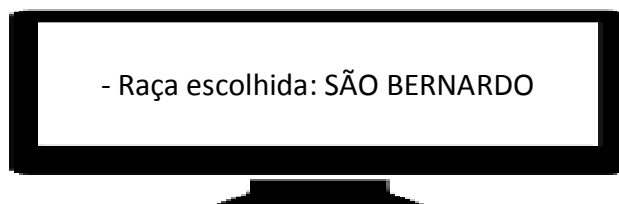


}

'n' e
 
 's' e
 
 's' e

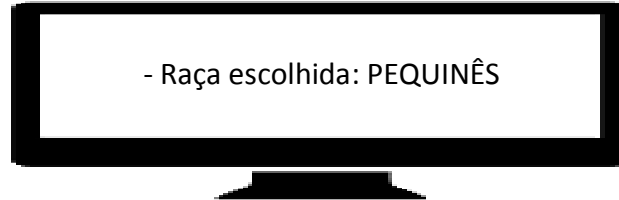
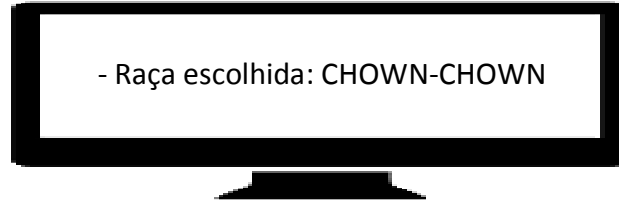
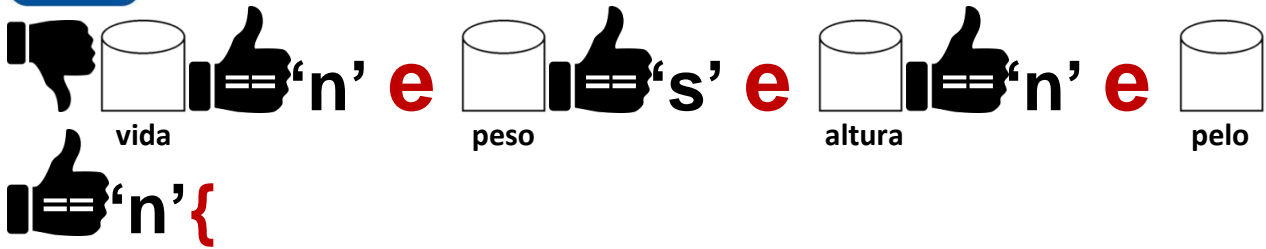
vida                      peso                      altura                      pelo

'n' {



}





### EXEMPLO

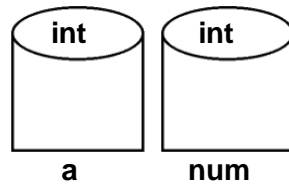
```
g1l3du4rd0@asus-ultrabook-g1l:~/Documentos
Arquivo Editar Ver Pesquisar Terminal Ajuda
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$ ./a.out
Expectativa de vida maior que 12 anos (s) ou (n)? n
Pesa mais que 25kg (s) ou (n)? s
Altura maior que 70cm (s) ou (n)? n
Pelagem curta (s) ou (n)? s

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

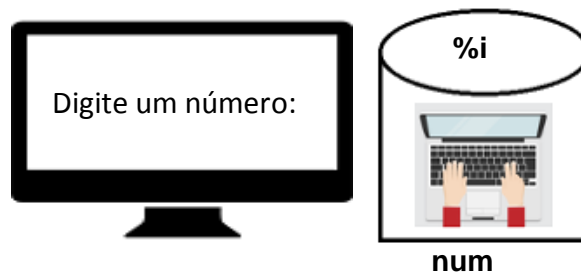


## GERAR VALORES → CRESCENTE

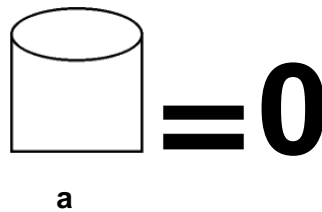
### DECLARAR VARIÁVEL



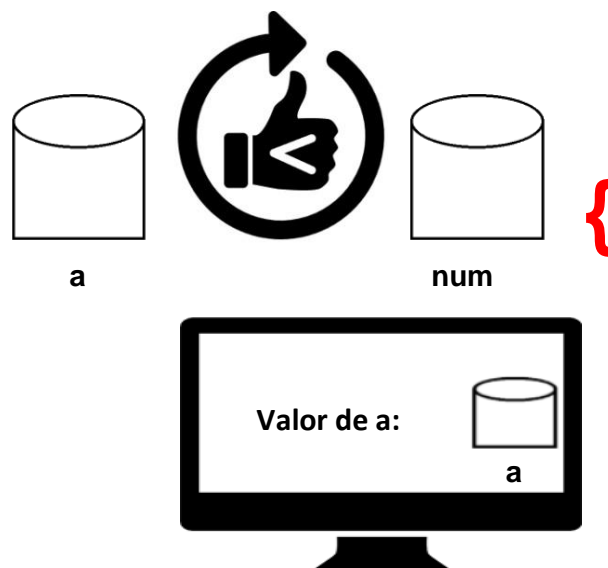
### MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL

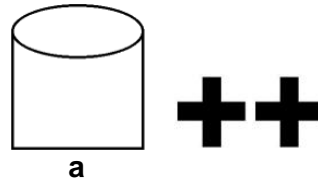


### ARMAZENAR VALOR NA VARIÁVEL



### GERA OS NÚMEROS





### EXEMPLO

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

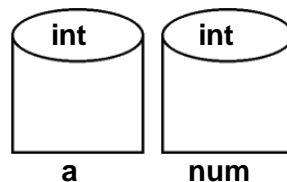
Valor de a: 0
Valor de a: 1
Valor de a: 2
Valor de a: 3
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

---

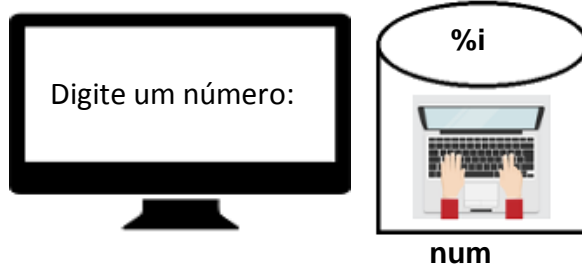
## GERAR VALORES → DECRESCENTE

---

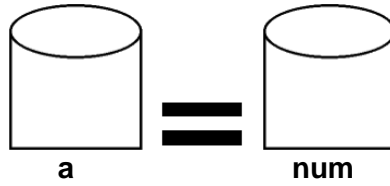
### DECLARAR VARIÁVEL



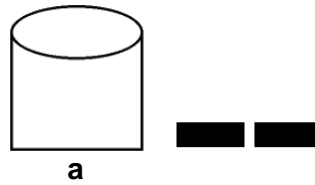
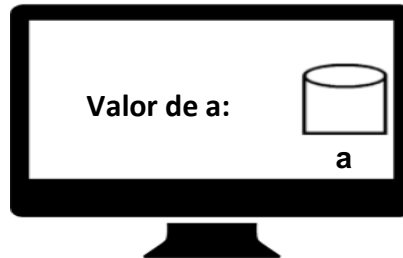
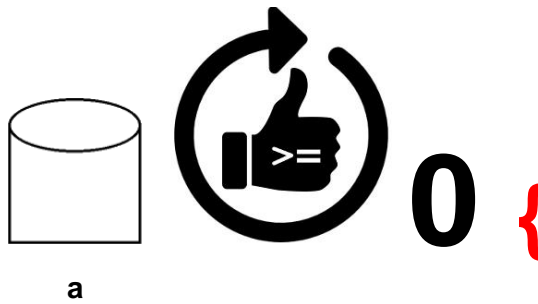
### MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



### 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

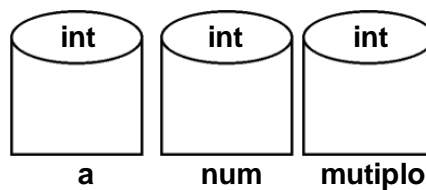
Valor de a: 4
Valor de a: 3
Valor de a: 2
Valor de a: 1
Valor de a: 0
[g1l3du4rd0@asus-ultrabook-g1l Documentos]$
```

---

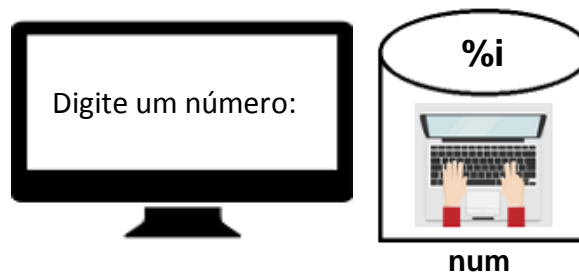
## TRÊS PRIMEIROS MÚTIPLoS

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DECLARAR VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO + ARMAZENAR NA VARIÁVEL



MOSTRAR MENSAGEM USUÁRIO



GERA OS MÚTIPLoS

