$a = 15$

$x = b > a$

$y = \text{"mensaje"}$

Numéricos Enteros
$\begin{cases} \text{byte} \\ \text{short} \\ \text{int} \\ \text{long} \end{cases}$

Numéricos decimales
$\begin{cases} \text{float} \\ \text{double} \end{cases}$

Booleanos
si/No
true/false
$\begin{cases} \text{bool} \end{cases}$

Cadenas de Texto
$\begin{cases} \text{char} \\ \text{String} \end{cases}$

Inicializar la variable

int b = 15;
int a;

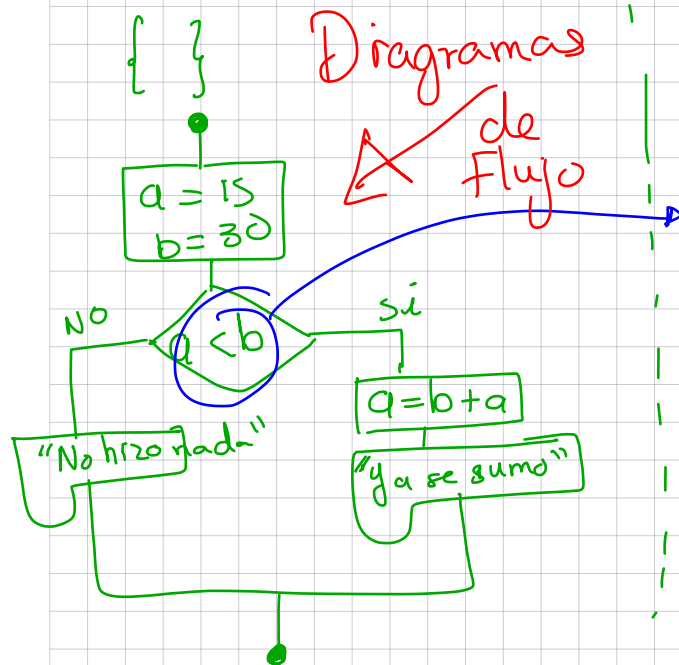bool x;

String y;

a = 15;

x = b > a;
y = "mensaje;

int a = 30;

"algo es" $\Rightarrow$ System.out.println("algo es");

"Mayor", a $\Rightarrow$ (+) System.out.println("Mayor " + a);

System.out.println("Mayor" + a + 1); $\Rightarrow$ Mayor301

System.out.println("Mayor" + (a + 1)); $\Rightarrow$ Mayor31

"Mayor" + 31

{ }

Diagramas de Flujo

a = 15
b = 30

NO   si
a < b

"No hizo nada"

a = b + a

"ya se sumo"

```
int a = 15;
int b = 30;

if ( a < b ) {

    a = b + a;
    System.out.println("ya se sumo");

} else {

    System.out.println("No se hizo nada");

}
```
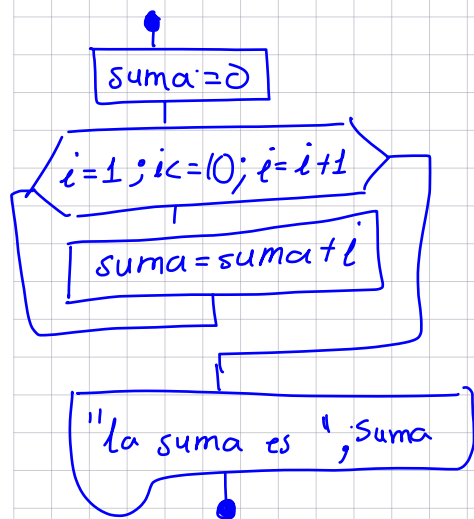
if (a<b && b >a){

} else {

}

for

```
suma = 0

i = 1 ; i <= 10 ; i = i+1

suma = suma + i

"la suma es ", Suma
```
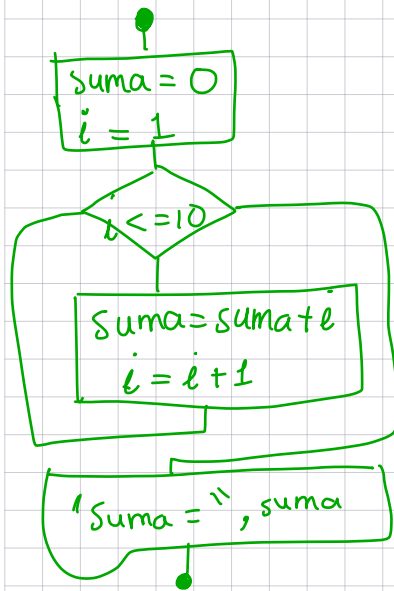
```java
int suma = 0;

for (int i=1 ; i<=10 ; i=i+1 ) {
    suma = suma + i;

}
System.out.println ("La suma es " + suma);
```

While

```
suma = 0
i = 1
```

$i <= 10$

```
Suma = suma + i
i = i + 1
```

"Suma = ", suma

```java
int suma = 0;
int i = 1;

while (i <= 10){
    suma = suma + i;
    i = i + 1;
}
System.out.println("Suma = " + suma);
```

```
a
```

Scanner teclado = new Scanner(System.in);

int a;

System.out.println("Ingrese el valor de a");

a = teclado.nextInt();