

# Langage C

## *Structures conditionnelles*



`#include<stdio.h>`

# CONDITION - IF / ELSE

## Exemple

```
int k = 3;

if (k == 4){
    printf("k égal à 4 \n");
}
else{
    printf("k différent de 4 \n");
}
```

## Conditions logiques

```
if ((k == 4) && (m == 5))
```

- Condition ET

```
if ((k == 4) || (k == 5))
```

- Condition OU

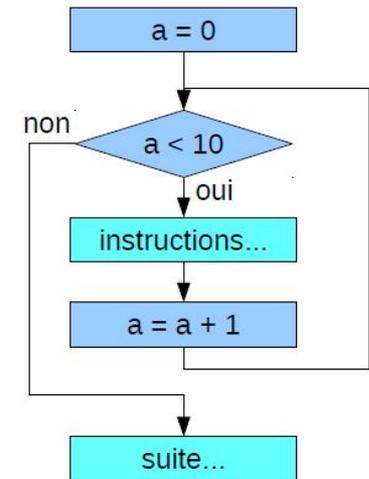
# ITERATION

## Boucle FOR

```
int a;

for(a = 0 ; a < 10 ; a = a+1){
    printf("a =%d \n", a);
}
```

`for(a = 0 ; a < 10 ; a = a+1)`  
 Initialisation      Condition d'arrêt      Incrémentation



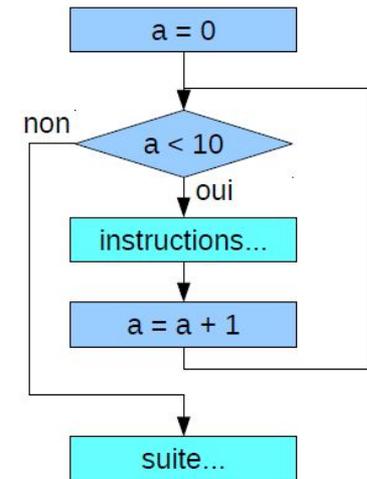
# ITERATION

## Boucle WHILE

```
int a;

a = 0;

while(a < 10){
    printf("a =%d \n", a);
    a++;
}
```



$a = a + 1;$   $\leftrightarrow$   $a++;$

$a = a - 1;$   $\leftrightarrow$   $a--;$