



# Fundamental Coding with C

Loops 2:while



# Loops 2:while

- while

It is the easiest and most basic type of looping which exists in the C.

After executing the loop for the first time, the control flow returns to the beginning of the loop, checking whether the conditions remain true or not.

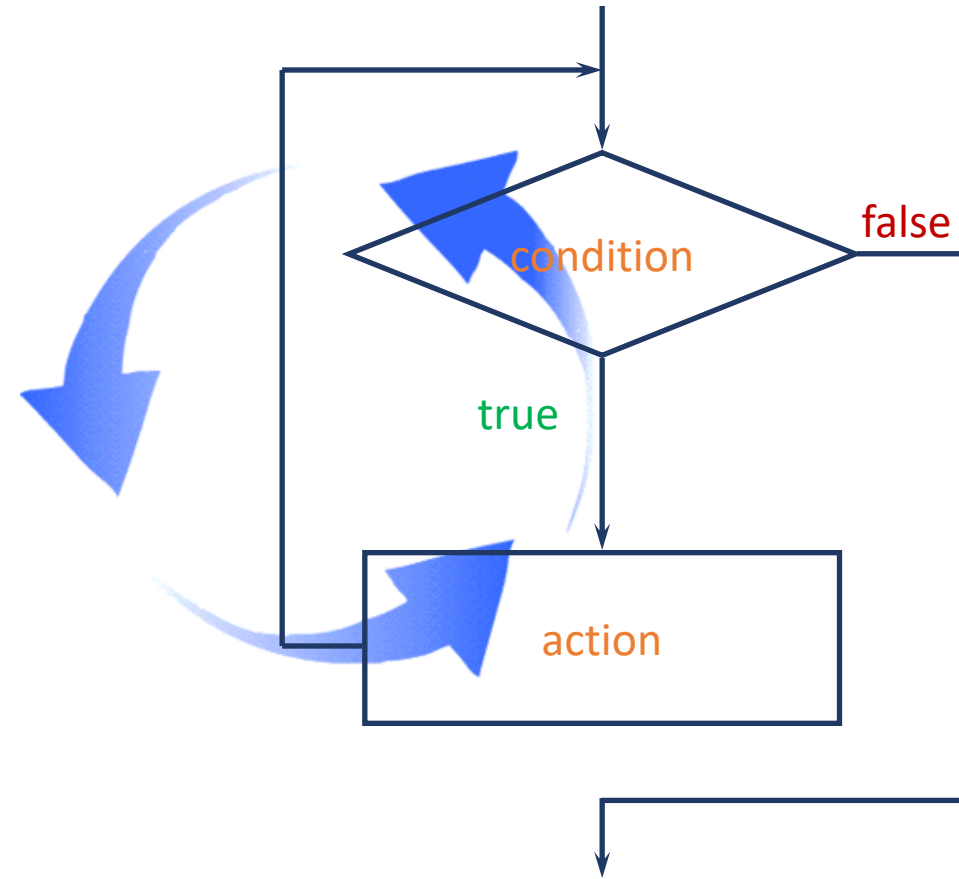
After termination of the loop, the control flow returns to immediate instruction after this.



# Loops 2:while

Remember how while works:

- If the **condition** is **true**, the **action** is executed
- Repeat this process until **condition** is **false**
- **action** is either a single statement or a group of statements.





# Loops 2:while

- while sintaxis in C

```
while(condition)
{
    statement(s)
}
```



# Loops 2:while

- Example infinite loop:

```
#include <stdio.h>
int main ()
{
    while(1==1)
    {
        printf("Code is Loading\n");
    }

    return 0;
}
```

Infinite while,  
1==1 is always true



Fundamental  
Coding with C

It's time to try

<https://repl.it/languages/c>





# Loops 2:while

- Example:

```
#include <stdio.h>
int main()
{
    int no_of_executions = 1;

    while ( no_of_executions <= 10 )
    {
        printf("Code is Loading\n");
        no_of_executions = no_of_executions+1;
    }
    return 0;
}
```