

The do-while in C

Syntax

```
do{  
    // body of do while loop  
    statement 1;  
    statement 2;  
}while(condition);
```

Example 1

```
#include<stdio.h>  
int main()  
{  
    do  
    {  
        printf("hello world\n");  
    }  
    while (4<1);  
    return 0;  
}
```

Example 2

```
#include <stdio.h>  
int main()  
{  
    int j=0;  
    do  
    {  
        printf("Value of variable j is: %d\n", j);  
        j++;  
    }  
    while (j<=3);  
    return 0;  
}
```

Example 3

```
#include<stdio.h> // include the stdio.h

int main()
{
    int i = 1; // declare and initialize i to 1

    do
    {
        // check whether i is multiple of 3 not or not
        if(i % 3 == 0)
        {
            printf("%d ", i); // print the value of i
        }
        i++; // increment i by 1
    }while(i < 100); // stop the loop when i becomes greater than 100

    // signal to operating system everything works fine
    return 0;
}
```