

## C-28 $\Rightarrow$ If Else statement in C

### If else:

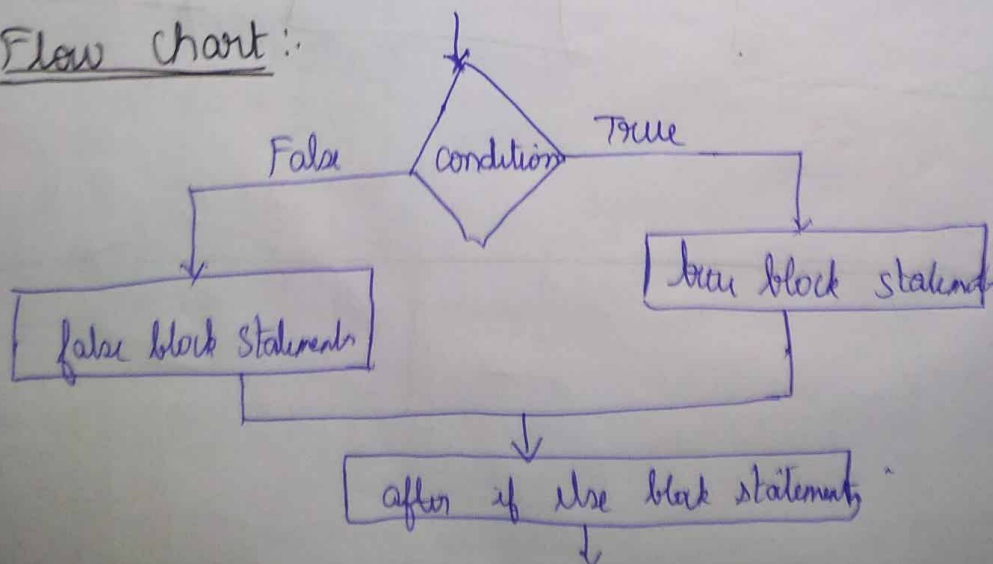
- \* It has two blocks.
- \* If condition true; first block executed; condition not true goes to else part (i.e) second block will be executed.

### Syntax:

```
if (condition)
{
    true - block statements;
}
else
{
    false - block statements;
}
```

after if else block statements;

### Flow chart:



Program:

main()

{

int age;

printf("Enter age:");

scanf("%d", &age);

if (age > 25 && age < 30) ;

printf("age: %d", age);

printf("Coffee with me");

}  
else

printf("age: %d", age);

printf("Go home");

}

printf("out of if else block");

}

(X)(X)

Note

If semicolon  
then we  
terminate if  
but else  
is useless;  
so we  
get error

O/P

Enter age: 28  
age: 28  
Coffee with me.  
out of if else block

O/P

Enter age: 20  
age: 20  
Go home  
out of if else block

O/P

Enter age: 25  
age: 25  
Go home  
out of if else  
block

O/P

Enter age: 30  
age: 30  
Go home  
out of if else  
block

## CODE 1:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      int age;
7      printf("Enter age:\n");
8      scanf("%d",&age);
9      if(age>25 && age<30)
10     {
11         printf("age:%d\n",age);
12         printf("Coffee with me..\n");
13     }
14     else
15     {
16         printf("age:%d\n",age);
17         printf("Go home...\n");
18     }
19     printf("Out of if else block..\n");
20     getch();
21 }
```

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```
Enter age:
28
age:28
Coffee with me..
Out of if else block..
_
```

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```
Enter age:
20
age:20
Go home...
Out of if else block..
```

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```
Enter age:
25
age:25
Go home...
Out of if else block..
```

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```
Enter age:
30
age:30
Go home...
Out of if else block..
```

## CODE 2:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      int age;
7      printf("Enter age:\n");
8      scanf("%d",&age);
9      if(age>25 && age<30); //gets error because else should not be without if
10     {
11         printf("age:%d\n",age);
12         printf("Coffee with me..\n");
13     }
14     else
15     {
16         printf("age:%d\n",age);
17         printf("Go home...\n");
18     }
19     printf("Out of if else block..\n");
20     getch();
21 }
```

Logs & others

File	Line	Message
D:\1. COMP...		=== Build: Debug in 2_if else (compiler: GNU GCC Compiler) ===
D:\1. COMP...	9	In function 'main': warning: this 'if' clause does not guard... [-Wmisleading-indentat...
D:\1. COMP...	10	note: ...this statement, but the latter is misleadingly indented a...
D:\1. COMP...	14	error: 'else' without a previous 'if'
D:\1. COMP...	20	warning: implicit declaration of function 'getch'; did you mean 'g...
		=== Build failed: 1 error(s), 2 warning(s) (0 minute(s), 0 second(...