

C programming

Lecture 8

31/03/2020

#if The #if preprocessor directive evaluates the expression of condition.

If condition is true, it executes the code otherwise #elseif or #else or #endif code is executed.

Syntax :- #if expression

// code

#endif

Syntax with #else :-

~~#if~~ #if expression

// if code

#else

// else code

#endif

```

Example 1 - #include <stdio.h>
             #include <conio.h>
             #define NUMBER 0
             void main()
             {
             #if (NUMBER == 0)
             printf("Value of Number is %d", NUMBER)
             #endif
             getch();
             }

```

else if

The # else preprocessor directive evaluates the expression or condition if condition of #if is false. It can be used with #if, #ifdef and #ifndef

Syntax: - #if expression
 // if code
 #else
 // else code
 #endif

sample -

```
#include <stdio.h>
#include <conio.h>

#define NUMBER 1

void main ()
{
    #if NUMBER == 0
    printf ("Value of Number is :%d", NUMBER);
    #else
    printf ("Value of Number is non-zero");
    #endif
    getch ();
}
```

output: value of Number is non-zero

exercise: WAP to given ~~any~~ number is even or odd.