

## **Nested if statement**

Writing a if statement inside another if statement is called nested if statement. The general syntax of the nested if statement is as follows...

### **Syntax:-**

```
if ( condition -1 )
{
    //If the condition 1 is TRUE , then control will check for condition 2
    if ( condition- 2 )
    {
        //If the condition 2 is TRUE this block will be executed
    }
    else
    {
        //If the condition- 2 is FALSE, then this block will be executed
    }
}
else
{
    //If the condition -1 is FALSE then the block following first if will be
    skipped and this block
    // will be executed
}
```

### **Program:-**

```
#include <stdio.h>
int main()
{
    int number1, number2;
    printf("Enter two integers: ");
    scanf("%d %d", &number1, &number2);
    if (number1 >= number2)
    {
        if (number1 == number2)
        {
            printf("Result: %d = %d", number1, number2);
        }
        else
        {
            printf("Result: %d > %d", number1, number2);
        }
    }
}
```

```
    }  
    else  
    {  
        printf("Result: %d < %d",number1, number2);  
    }  
    return 0;  
}
```

### **Output:-**

Enter two integers: 46 45

Result: 46 > 45