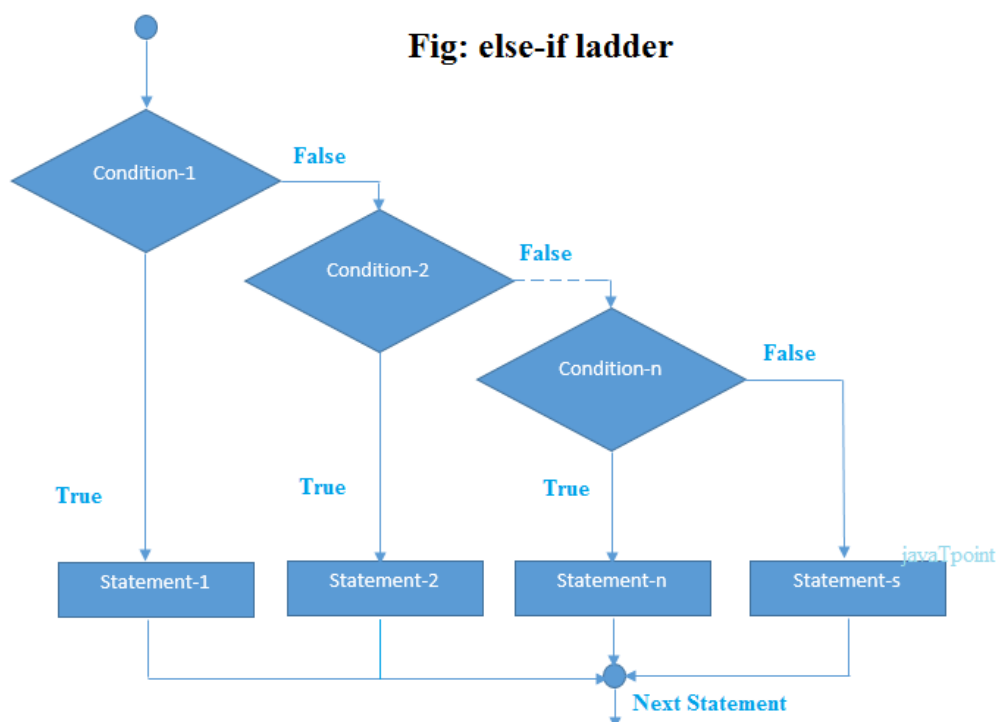


if-else-if statement (if-else ladder)

This is a multi decision statement. In if-else-if ladder statement, if a condition is true then the statements defined in the if block will be executed, otherwise if some other condition is true then the statements defined in the else-if block will be executed, at the last if none of the condition is true then the statements defined in the else block will be executed. There are multiple else-if blocks possible.

Syntax:-

```
if(expression_1)
{
    //block will be executed if expression_1 is true
}
else if(expression_2)
{
    // block will be executed if expression_2 is true
}
else if(expression_3)
{
    // block will be executed if expression_3 is true
}
---
---
else
{
    //code will be executed if none of the expressions is TRUE
}
```



Program:-

```
#include <stdio.h>
int main()
{
    int a, b, c ;
    printf("Enter any three integer numbers: ") ;
    scanf("%d%d%d", &a, &b, &c) ;
    if( a>=b && a>=c)
        printf("%d is the largest number", a) ;
    else if (b>=a && b>=c)
        printf("%d is the largest number", b) ;
    else
        printf("%d is the largest number", c) ;
    return 0;
}
```

Output:-

Enter any three integer numbers: 4 5 2
5 is the largest number