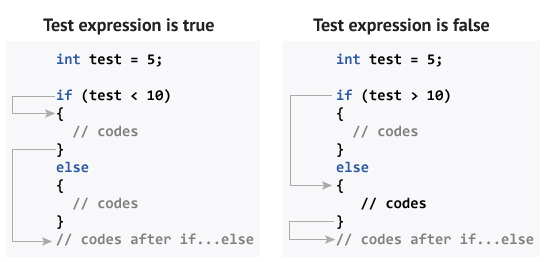
**C++ if...else**

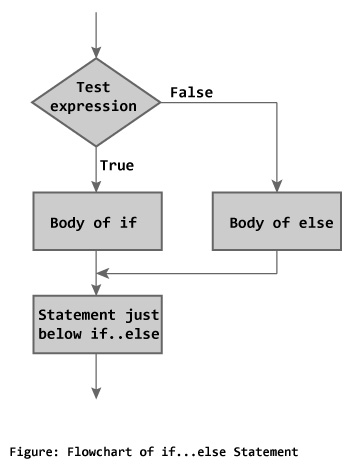
The if else executes the codes inside the body of if statement if the test expression is true and skips the codes inside the body of else.

If the test expression is false, it executes the codes inside the body of else statement and skips the codes inside the body of if.

**How if...else statement works?**



**Flowchart of if...else**



**Example 2: C++ if...else Statement**

// Program to check whether an integer is positive or negative

// This program considers 0 as positive number

#include <iostream>

using namespace std;

int main()

{

int number;

cout << "Enter an integer: ";

cin >> number;

if ( number >= 0)

{

cout << "You entered a positive integer: " << number << endl;

}

else

{

cout << "You entered a negative integer: " << number << endl;

}

cout << "This line is always printed.";

return 0;

}

**Output**

Enter an integer: -4

You entered a negative integer: -4.

This line is always printed.

Q1: write a program that in put marks and display the congratulation you have pass if the marks greater then 40 .

#include<iostream>

Using namespace std;

int main()

{

Int m;

cout<<” enter markes =”;

cin>>m;

if(m>40)

cout<<” congratulation you have pass”;

else

cout<<” you have fail”;

return 0;

}

Q2 : write a program that input two numbers and finds wether both are equal .

#include<iostream>

Using namespace std;

int main()

{

Int a,b;

nt a,b;

cout<<” enter a number =”;

cin>>a;

cout<<” enter a number =”;

cin>>b;

if(a==b)

cout<<” both are equal”;

else

cout<<” both are not equal”;

return 0;

}