**C++ if-else**

In C++ programming, if statement is used to test the condition. There are various types of if statements in C++.

* if statement
* if-else statement
* nested if statement
* if-else-if ladder

## **C++ IF Statement**

#include <iostream>

using namespace std;

int main () {

int num = 11;

if (num % 2 == 0)

{

cout<<"It is even number";

}

else

{

cout<<"It is odd number";

}

Return

## **C++ IF-else Statement**

#include <iostream>

using namespace std;

int main () {

int num;

cout << "enter a number";

cin >> num;

if (num % 2 == 0)

{

cout<<"It is even number";

}

else

{

cout<<"It is odd number";

}

return 0;

}

## **C++ If else-if Example**

1. #include <iostream>
2. **using** **namespace** std;
3. **int** main () {
4. **int** num;
5. cout<<"Enter a number to check grade:";
6. cin>>num;
7. **if** (num <0 || num >100)
8. {
9. cout<<"wrong number";
10. }
11. **else** **if**(num >= 0 && num < 50){
12. cout<<"Fail";
13. }
14. **else** **if** (num >= 50 && num < 60)
15. {
16. cout<<"D Grade";
17. }
18. **else** **if** (num >= 60 && num < 70)
19. {
20. cout<<"C Grade";
21. }
22. **else** **if** (num >= 70 && num < 80)
23. {
24. cout<<"B Grade";
25. }
26. **else** **if** (num >= 80 && num < 90)
27. {
28. cout<<"A Grade";
29. }
30. **else** **if** (num >= 90 && num <= 100)
31. {
32. cout<<"A+ Grade";
33. }
34. }