# Using do while loop

int num;

do {

cout << "Enter a positive number: ";

cin >> num;

} while (num <= 0);

# Sum of all numbers

#include <iostream>

using namespace std;

int main() {

int sum = 0;

for (int i = 1; i <= 10; i++) {

sum += i;

}

cout << "The sum of numbers from 1 to 10 is: " << sum << endl;

return 0;

}

# For Factorial

#include <iostream>

using namespace std;

int main()

{

int n;

int result=1;

cin>>n;

for(int i=1;i<=n;i++)

{

result=result\*i;

}

cout<<result;

return 0;

}

# For 1 to 10 prime numbers

#include <iostream>

using namespace std;

bool isPrime(int num) {

if (num <= 1) {

return false;

} else {

for (int i = 2; i \* i <= num; i++) {

if (num % i == 0) {

return false;

}

}

return true; // Added the missing return statement.

}

}

int main() {

int n = 2;

cout << "1 to 10 prime numbers:" << endl;

while (n < 10)

{

if (isPrime(n)) {

cout << "Num: " << n << endl;

}

n++; // Added the increment for 'n'.

}

return 0;

}

# If else statements

#include <iostream>

using namespace std;

int main() {

int score;

cout << "Enter your score: ";

cin >> score;

if (score >= 90) {

cout << "Grade: A" << endl;

}

if (score >= 80) {

cout << "Grade: B" << endl;

} else if (score >= 70) {

cout << "Grade: C" << endl;

} else if (score >= 60) {

cout << "Grade: D" << endl;

} else {

cout << "Grade: F" << endl;

}

return 0;

}

Output:

Score 70

Grade c

Score 95

Grade a

Garde b