**This is C++ program to calculates the factorial of a non-negative integer using both iterative and recursive methods.**

It provides clear output based on the input value.

I am using **#inculde<iostream>** as Header file for input output operation

**using namespace std;** It is a template for global declaration

**int main ()** basically **int** is data type and **main ()** is function

**cin>>** it is console input

it displays both the iterative and recursive results.

**cout<<** it is console output

**{ }** This is Curly braces

**Return 0;** It is function return NULL value

Input Value: 8

**Output:**

Enter a non-negative integer:

Iterative factorial of 8 is: 40320

Recursive factorial of 8 is: 40320