**Task 1**

#include <iostream>

using namespace std;

int a = 1;

int inputnum;

int main()

{

cout << "Enter your desired number whose sum would you want with other numbers: " ;

cin >> inputnum ;

while(a <= 10)

{

cout <<"The sum of "<< a<< "+" << inputnum <<"=" << a + inputnum << endl;

a++;

}

return 0;

}

**Task 2**

#include <iostream>

using namespace std;

int a = 1;

int inputnum;

int main()

{

cout << "Enter your desired number: " ;

cin >> inputnum ;

while(a <= 10)

{

cout <<"The Table is "<< inputnum << "\*" << a <<"=" << a \* inputnum << endl;

a++;

}

return 0;

}

**Task 3**

#include <iostream>

using namespace std;

int main()

{

int inputnum;

int factorial = 1;

int a;

cout << "Enter your desired number: " ;

cin >> inputnum ;

for(a = 1 ; a <= inputnum ; a++)

{

factorial = factorial \* a;

}

cout << "Desired Factorial is = "<<factorial;

return 0;

}

**Task 4**

#include <iostream>

using namespace std;

int main() {

int n;

cout << "Enter the number of terms you want in the Fibonacci sequence: ";

cin >> n;

int num1 = 0, num2 = 1,count ;

cout << "Fibonacci Sequence:" << endl;

cout << num1 << endl;

cout << num2 << endl;

while (count < n - 1) {

int new\_term = num1 + num2;

cout << new\_term << endl;

num1 = num2;

num2 = new\_term;

count++;

}

return 0;

}