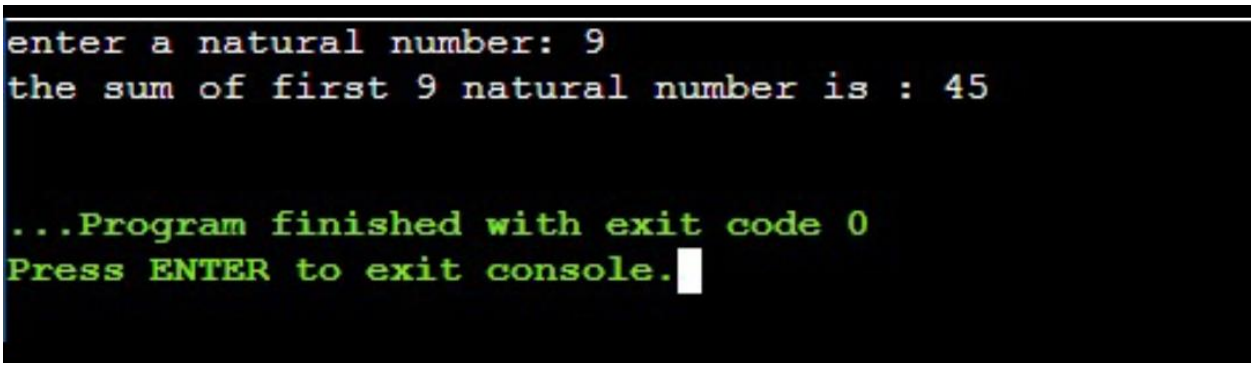
Code 1:

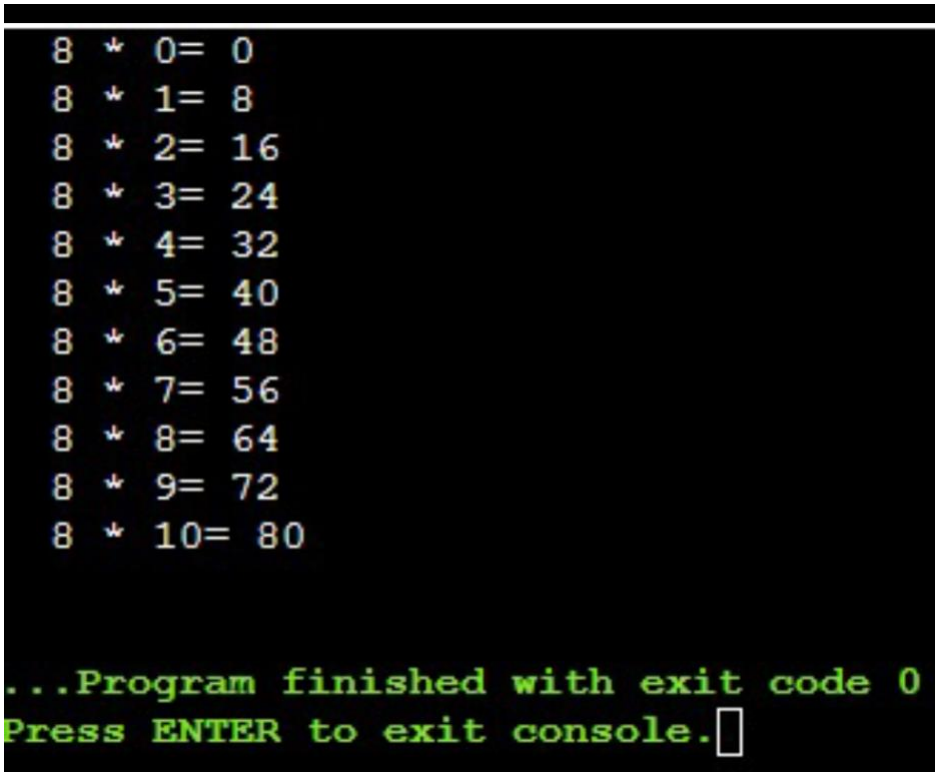
```
#include <iostream>
Using namespace std ;
Int main(){
   Int n,sum=0;
   Int i=1;
   Cout<<"enter a natural number: ";
   Cin>>n;
   While(i<=n){
      Sum=sum+I;
      I++;
   }
   Cout<<"the sum of first "<<n<<" natural number is : "<<sum<<endl;
   Return 0;
}
```



Code:

```
#include <iostream>
Using namespace std;
Int main(){
   Int i=0;
   Int table=8,multiply;
   While(i<=10){
```

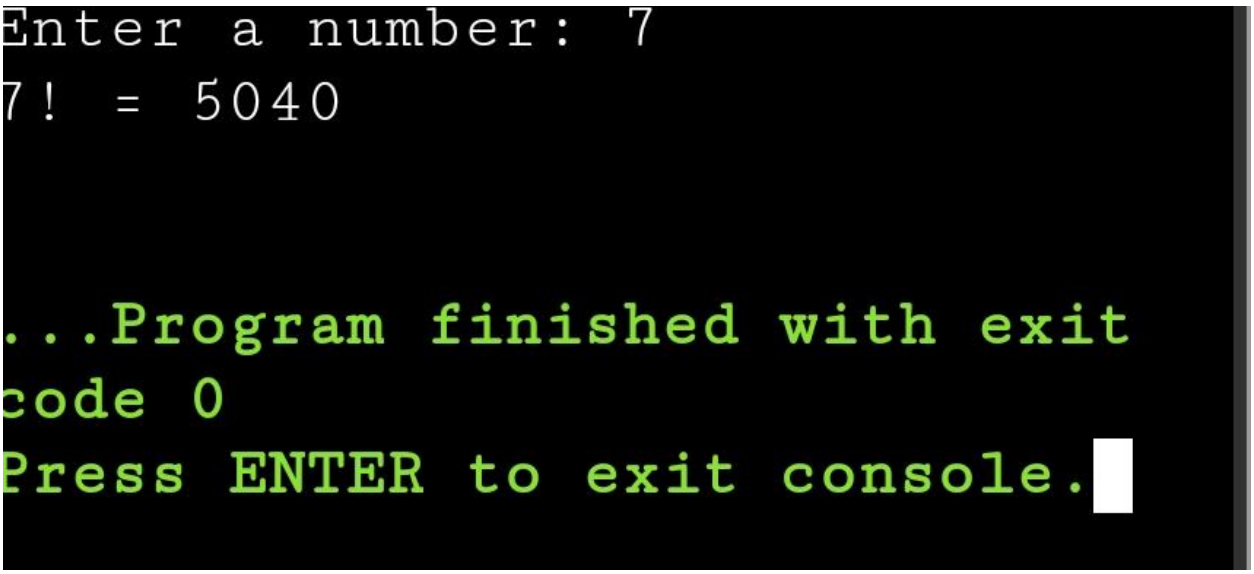
```
    Cout<<"  8 * "<<i<<"= "<<table*i<<endl;
    I++;
  }
  Return 0;
}
```



Code 3:

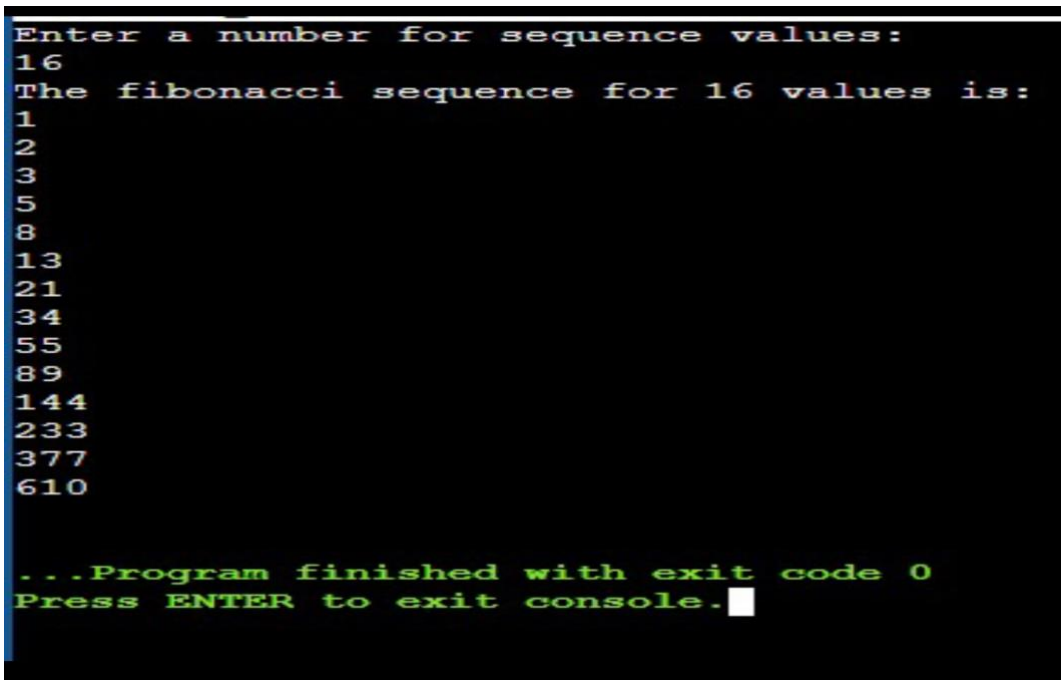
```
#include <iostream>

Int factorial(int n) {
  If (n == 0) {
    Return 1;
  } else {
    Int result = 1;
```

```
    For (int I = 1; I <= n; i++) {
        Result *= I;
    }
    Return result;
  }
}

Int main() {
  Int number;
  Std::cout << “Enter a number: “;
  Std::cin >> number;

  Int result = factorial(number);
  Std::cout << number << “! = “ << result << std::endl;

  Return 0;
}
```



Code 4:

```
#include <iostream>

Using namespace std;

Int seq, sec = 1, fir = 0;

Int n;

Cout<<”Enter a number for sequence values:”<<endl; cin>>n;

Cout<<”The fibonacci sequence for “<<n<<” values is:”<<endl;

For (int I = 1; i<n; i++)

If (i<=1) {

        Seq = I;


} else {

        Seq = fir + sec;

        Fir = sec;

        Sec = seq;

        Cout<<seq<<endl;

}


Return 0;

}
```


Enter a number for sequence values:
16
The fibonacci sequence for 16 values is:
1
2
3
5
8
13
21
34
55
89
144
233
377
610
...Program finished with exit code 0
Press ENTER to exit console.