

LABTASK1:

```
#include <iostream>
```

```
using namespace std;
```

```
//lab task1
```

```
int main()
```

```
{
```

```
    int x,sum;
```

```
    for(int i = 0;i < 10;i++)
```

```
    {
```

```
        cout << "Enter your number:"<< endl;
```

```
        cin >> x;
```

```
        sum = sum + x;
```

```
    }
```

```
    cout << "The sum is:"<< sum;
```

```
    return 0;
```

```
}
```

```
Enter your number:
1
Enter your number:
2
Enter your number:
3
Enter your number:
4
Enter your number:
5
Enter your number:
6
Enter your number:
7
Enter your number:
8
Enter your number:
9
Enter your number:
10
The sum is:55
```

LABTASK2:

```
#include <iostream>
```

```
using namespace std;
```

```
//labtask2
```

```
int main(){
```

```
    int prod,num;
```

```
    cout << "Enter a number:";
```

```
    cin >> num;
```

```
    for (int i = 0;i<10;++i){
```

```
        prod = num*i;
```

```
        cout << num << " x " << i << " = "<<prod<< endl;
```

```
    }
```

```
Enter a number:5
```

```
5 x 0 = 0
```

```
5 x 1 = 5
```

```
5 x 2 = 10
```

```
5 x 3 = 15
```

```
5 x 4 = 20
```

```
5 x 5 = 25
```

```
5 x 6 = 30
```

```
5 x 7 = 35
```

```
5 x 8 = 40
```

```
5 x 9 = 45
```

LABTASK3:

```
#include <iostream>
```

```
using namespace std;
```

```
//labtask3
```

```
int main(){
```

```
    int x,factorial = 1;
```

```
    cout << "Enter your number:";
```

```
    cin >> x;
```

```
    if (x > 0){
```

```
        for (int i = 1; i < 11; i++){
```

```
            factorial = factorial*i;
```

```
            if( i == x)
```

```
                break;
```

```
        }
```

```
    }
```

```
    else if (x < 0){
```

```
        cout << "Invalid Input";
```

```
    }
```

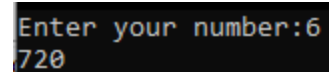
```
    else
```

```
        factorial = 1;
```

```
        cout << factorial;
```

```
    return 0;
```

```
}
```



Enter your number:6
720

LABTASK4:

```
#include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    int n,n1,n2,sum = 0;
```

```
        cout << "Enter length of sequence:";
```

```
        cin >> n;
```

```
        cout << "Enter your first digit:";
```

```
        cin >> n1;
```

```
        cout << "Enter your second digit:";
```

```
        cin >> n2;
```

```
        cout << n1 << "," << n2;
```

```
        for (int i=0;i < n-2;i++){
```

```
            sum = n1 + n2;
```

```
            cout << "," << sum ;
```

```
            n1 = n2;
```

```
            n2 = sum;
```

```
        }
```

```
    return 0;
```

```
}
```

```
Enter length of sequence:8
Enter your first digit:0
Enter your second digit:1
0,1,1,2,3,5,8,13
```