

Task # 01

```
// lab task # 01
```

```
#include<iostream>
```

```
using namespace std;
```

```
int main (){
```

```
int x,sum;
```

```
sum = 0;
```

```
for (x=0;x<11;x++){
```

```
cout<<"enter integer"<<endl;\
```

```
cin>>x;
```

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

```
cout<<"sum = "<<sum;
```

```
return 0;}
```

Output

Clear

enter integer

1

enter integer

2

enter integer

3

enter integer

4

enter integer

5

enter integer

6

enter integer

7

enter integer

8

enter integer

9

enter integer

10

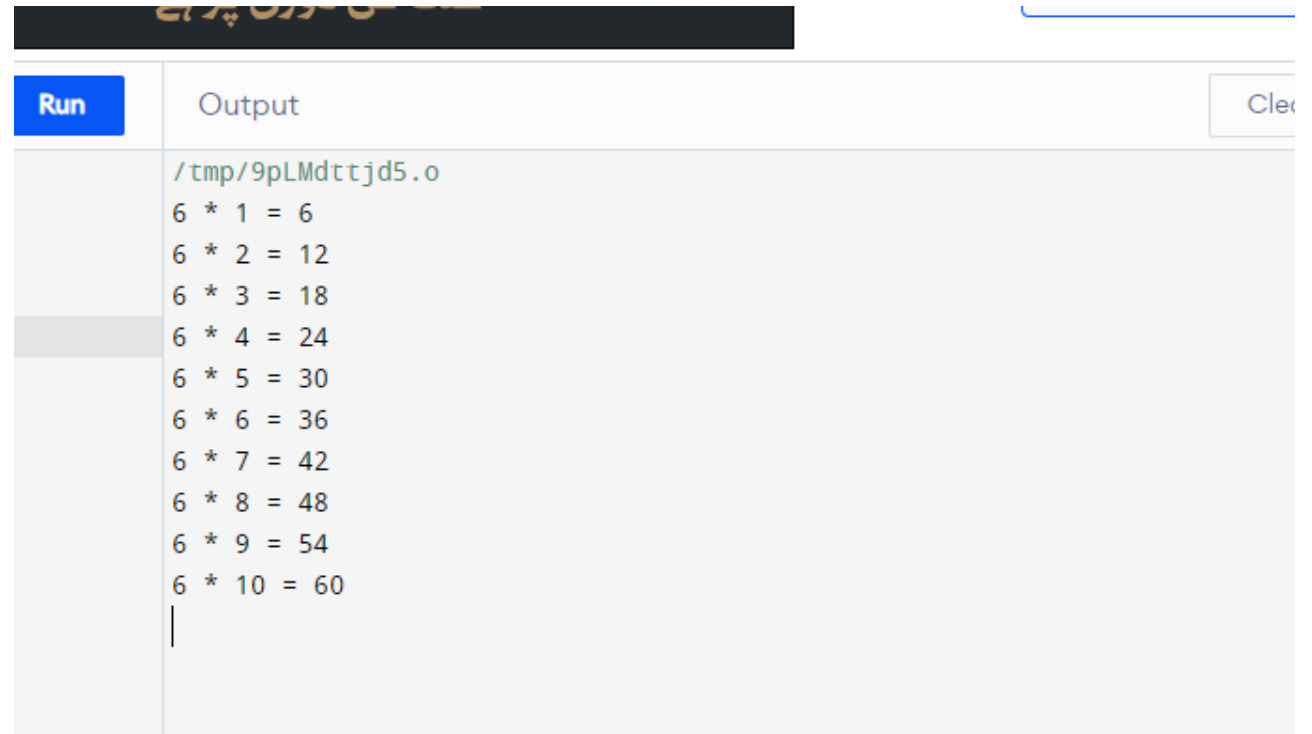
sum = 55

Task # 02

```
#include<iostream>

using namespace std;

int main(){
    int table=6;
    for (int x=1;x<11;x++ )
        cout<<6<<" * "<<x<<" =
"<<6*x<<endl;
    return 0;
}
```



The screenshot shows a C++ IDE window with a dark title bar. Below the title bar, there is a 'Run' button on the left and an 'Output' pane on the right. The 'Output' pane displays the following text:

```
/tmp/9pLMdttjd5.o
6 * 1 = 6
6 * 2 = 12
6 * 3 = 18
6 * 4 = 24
6 * 5 = 30
6 * 6 = 36
6 * 7 = 42
6 * 8 = 48
6 * 9 = 54
6 * 10 = 60
|
```

Task # 03

```
#include<iostream>

using namespace std;

int main (){

    int x,y,factorial;

    cout<<"enter integer"<<endl;
    cin>>factorial;
    y= factorial;

    for (x=1;x<5;x++){

        factorial=factorial*x;}

    cout<<"factorial "<<y<<" !=<<"="<<factorial;
    return 0 ;

}
```

Output

Clear

```
/tmp/cghg4p0HoQ.o
enter integer
5
factorial 5 !=120
```

Task # 04

```
#include<iostream>

using namespace std;

int main (){

    int x,y,sum,c;

    cout<<"enter first integer"<<endl;
    cin>>x;

    cout<<"enter second integer"<<endl;
    cin>>y;

    cout << "Enter the number of digits to be printed:";
    cin >> c;

    cout << x << ","<< y << ",";

    for (int i = 0;i <c;i++){

        sum = x + y;

        cout << sum<< ",";

        x = y;

        y = sum;

    }

}
```

Output

Clear

```
^ /tmp/cghg4p0HoQ.o
enter first integer
0
enter second integer
1
Enter the number of digits to be printed:8
0,1,1,2,3,5,8,13,21,34,
```