

lab task 7

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task 1 :

```
#include<iostream>
using namespace std;
int main(){

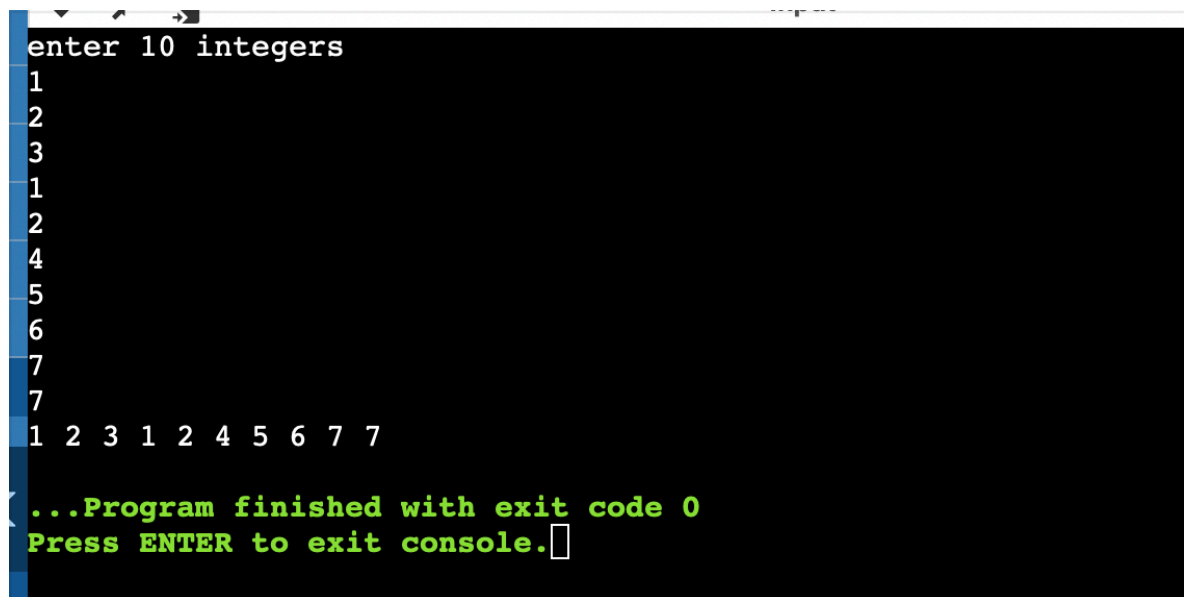
    int foo[10];
    cout<<"enter 10 integers "<<endl;

    for(int k=0;k<=9;k++)

    {
        cin>>foo[k];
    }
    for(int k=0;k<=9;k++)

    {
        cout<<foo[k]<<" ";
```

```
}  
return 0;  
}
```

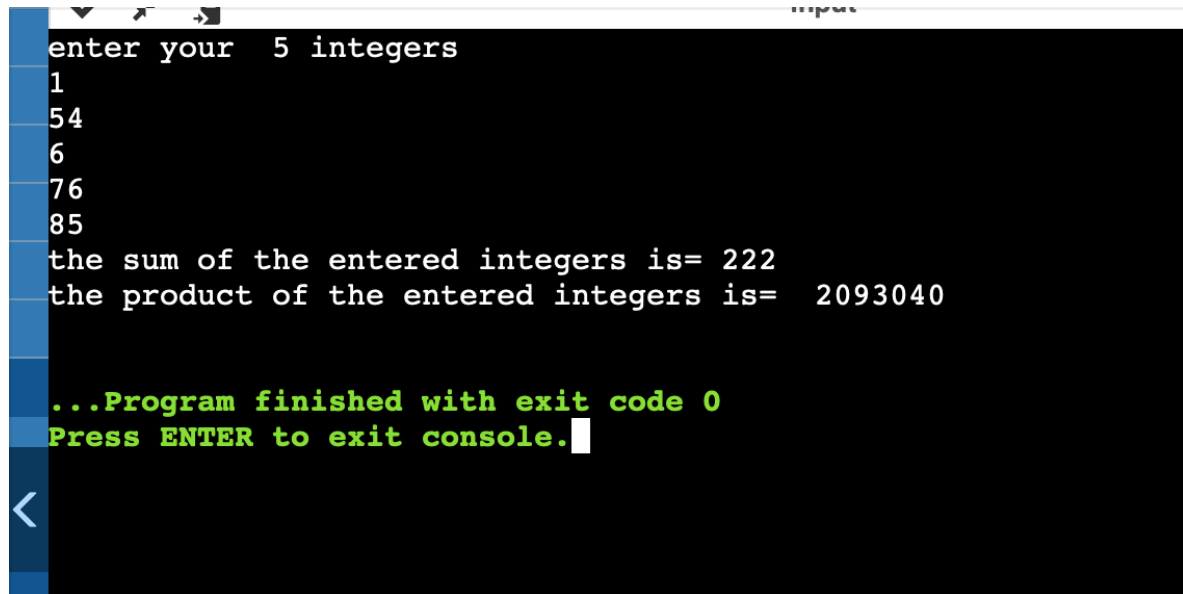


```
enter 10 integers  
1  
2  
3  
1  
2  
4  
5  
6  
7  
7  
1 2 3 1 2 4 5 6 7 7  
...Program finished with exit code 0  
Press ENTER to exit console.
```

task 2:

```
#include<iostream>  
using namespace std;  
int main()  
{  
    int foo[5];  
    cout<<"enter your 5 integers "<<endl;  
    int x=0,y=1;  
    for(int k=0;k<=4;k++) {  
  
        cin>>foo[k];  
        x=x+foo[k];  
        y=y*foo[k];  
  
    }  
    cout<<"the sum of the entered integers is= "<<x<<endl;  
  
    cout<<"the product of the entered integers is= "<<y<<endl;
```

```
return 0;
}
```



```
enter your 5 integers
1
54
6
76
85
the sum of the entered integers is= 222
the product of the entered integers is= 2093040
...Program finished with exit code 0
Press ENTER to exit console.
```

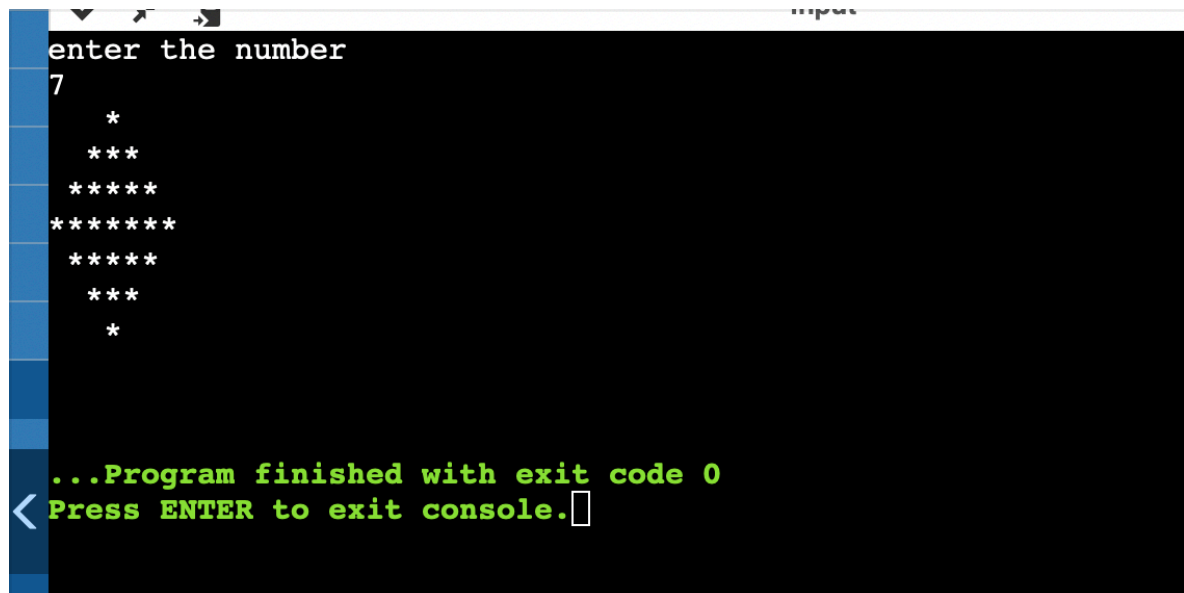
task 3:

```
#include<iostream>
using namespace std;
int main()
{
    int x,half;
    char y[half];
    cout<<"enter the number"<<endl;
    cin>>x;
    half=x/2;
    if(x%2==0){
        cout<<"enter an odd number of rows ";
        return 1;
    }
    for(int k=0;k<x;k++){
        y[k]=' ';
    }
    for(int k=0;k<half+1;k++){

        for(int l=0;l<x;l++){

            y[half-k]='*';
            y[half+k]='*';
        }
        cout<<y[l];
```

```
}  
cout<<endl;    }  
  
for ( int k=half;k>=0;k--)  
{  
for(int l=0;l<x;l++){  
  
y[half-k]=' '  
y[half+k]=' '  
cout<<y[l];  
}cout<<endl;  
}  
  
return 0;  
  
}
```



```
mpcc  
enter the number  
7  
  *  
 ***  
*****  
*****  
*****  
 ***  
  *  
  
...Program finished with exit code 0  
< Press ENTER to exit console.
```