

- FOP

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Sec ME_15(b)

Task#01

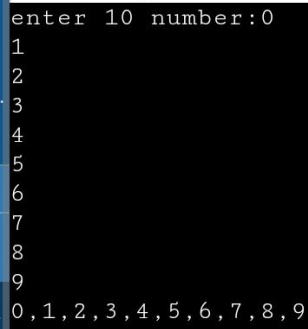
```
#include <iostream>
```

```
using namespace std;
```

```
int main()
{
    int arr[10];
    cout<<"enter 10 number:";
    for(int i=0;i<10;i++){
        cin>>arr[i];
    }

    for(int i=0;i<10;i++){
        cout<<arr[i];
        if(i==9)
            continue;
        cout<<",";
    }
    return 0;
}
```

Output:



```
enter 10 number:0
1
2
3
4
5
6
7
8
9
0,1,2,3,4,5,6,7,8,9
```

Task#02

```
#include<iostream>
```

```
using namespace std;
```

```
int main(){
```

```
int arr[5];
```

```
cout<<"enter your desired 5 integers to find out their sum and product"<<endl;
```

```
int sum=0,product=1;
```

```

for(int i=0;i<=4;i++) {

cin>>arr[i];

sum+=arr[i];

product*=arr[i];

}

cout<<"the sum of the entered integers is "<<sum<<endl;

cout<<"the product of the entered integers is "<<product<<endl;

return 0;

}

```

Output:

```

input
enter your desired 5 integers
to find out their sum and prod
uct
9
5
6
7
11
the sum of the entered integer
s is 38
the product of the entered int
egers is 20790

...Program finished with exit
code 0
Press ENTER to exit console.

```

Task#03

```

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

int n, half;

    cout<<"Enter the diamond size in terms of odd number only: "<<endl;
    cin>>n;
    char arr[n];
    half=n/2;

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

    arr[i]=' ';}

```

```

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

for(int j=0;j<n;j++){

    arr[half-i]='*';
    arr[half+i]='*';
    cout<<arr[j];
}
    cout<<endl;
}
for(int i=half;i>=0;i--){

for(int j=0;j<n;j++)
{
    arr[half-i]=' ';
    arr[half+i]=' ';
    cout<<arr[j];
}
    cout<<endl;
}
return 0;
}

```

```

input
Enter the diamond size in terms of odd number only:
9

    *
   ***
  *****
 *****
*****
 *****
  *****
   ***
    *

...Program finished with exit
code 0
Press ENTER to exit console.

```

Output:

The END