Lab manual 7

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Task 1

```
C:\C++\Lab task 7.exe
                                                                                                                               \times
Enter the 2th element.
Enter the 3th element.
Enter the 4th element.
Enter the 5th element.
Enter the 6th element.
Enter the 7th element.
Enter the 8th element.
Enter the 9th element.
0th element: 1
1th element: 2
2th element: 3
3th element: 4
4th element: 5
5th element: 6
6th element: 7
7th element: 8
8th element: 9
9th element: 10
Process exited after 7.195 seconds with return value 0
Press any key to continue .
```

• Task 2

```
int number[5];
int sum=0, product=1;
for (int i=0;i<5;i++){
  cout<<"Enter a number."<<endl;
  cin>>number[i];
  sum+=number[i];
  product*=number[i];
}
cout<<"The sum of all the elements of the array is "<<sum<<endl;
  cout<<"The product<endl;
end of task 2</pre>
```

```
Enter a number.

4
Enter a number.

2
Enter a number.

5
Enter a number.

6
Enter a number.

7
Enter a number.

9
Enter a number.

10
Enter a number.

9
Enter a numb
```

• Task 3

```
int rows;
cout<<"Enter an odd number of rows."<<endl;</pre>
cin>>rows;
int half=rows/2;
char asterick[rows];
for (int i=0;i<rows;i++){</pre>
asterick[i]=' ';
}
for (int i=0;i<=half;i++){</pre>
for (int j=0;j<rows;j++){</pre>
asterick[half+i]='*';
asterick[half-i]='*';
cout<<asterick[j];
}
cout<<endl;
}
for (int i=0;i<rows;i++){</pre>
asterick[i]='*';
}
for (int i=half;i>=0;i--){
for (int j=0;j<rows;j++){</pre>
asterick[half+i]=' ';
asterick[half-i]=' ';
cout<<asterick[j];
}
cout<<endl;
```