

Outputs of lab :

### 1.Sum of arrays using pointer

```
C:\Users\asus\OneDrive\Docu  ×  +  ∨  
sum of all elements in array 32  
-----  
Process exited after 1.67 seconds with return value 0  
Press any key to continue . . . |
```

### 2.Swapping of two numbers using pointers

```
enter a:3  
enter b:4  
Before swapping:a=3,b=4  
After swapping:a=4,b=3  
-----  
Process exited after 4.529 seconds with return value 0  
Press any key to continue . . . |
```

### 3.reverse string using pointers

```
C:\Users\asus\OneDrive\Docu × + v
Enter a string: charmi
Reversed string:
imrahc
-----
Process exited after 4.08 seconds with return value 0
Press any key to continue . . . |
```

### 4.Power of number using pointers to functions

```
C:\Users\asus\OneDrive\Docu × + v
Enter the base value: 7
Enter the power value: 3
7 to the power 3 is 343
-----
Process exited after 13.13 seconds with return value 0
Press any key to continue . . . |
```

### 5.Dyanamically allocated 2D array

```
Enter the number of rows: 3
Enter the number of columns: 2
Enter value for element [0][0]: 4
Enter value for element [0][1]: 1
Enter value for element [1][0]: 6
Enter value for element [1][1]: 8
Enter value for element [2][0]: 7
Enter value for element [2][1]: 3
```

Array elements:

```
4 1
6 8
7 3
```

-----  
Process exited after 12.44 seconds with return value 0  
Press any key to continue . . . |