

Solutions

1. Write a Program to accept the expression from user and evaluate it?

```
>>>x=eval(input("enter expression:"))
>>>print(x)
```

2. write a program in python to count occurrence of the given character in a string?

```
>>> string = input("Please enter String : ")
>>> char = input("Please enter a Character : ")
>>> count = 0
>>> for i in range(len(string)):
>>>     if(string[i] == char):
>>>         count = count + 1
>>> print("Total Number of occurrence of ", char, "is : " , count)
```

3. Write a program to swap first and last element of a list?

```
>>> # Swap function
>>> def swapList(x):

>>>     x[0], x[-1] = x[-1], x[0]

>>>     return x

>>> x = [12, 35, 9, 56, 24]
>>> print(swapList(x))
```

4. write a Python Program to find largest and smallest number in an array?

```
>>> ar = []
>>> n = int(input("enter size of array : "))
>>> for x in range(n):
>>>     x=int(input("enter element of array : "))
>>>     ar.append(x)
>>> largest = ar[0]
>>> smallest = ar[0]
>>> for i in range(n):
>>>     if ar[i]>largest:
>>>         largest = ar[i]
>>>     if ar[i]<smallest:
>>>         smallest = ar[i]

>>> print(f"largest element in array is {largest}")
>>> print(f"smallest element in array is {smallest}")
```

5. Write a Python program to create a list of tuples And given list having number and its cube in each tuple ?

```
>>> # creating a list
```

```
>>> list1 = [1, 2, 5, 6]
```

```
>>> result = [(val, pow(val, 3)) for val in list1]
```

```
>>> # print the result
```

```
>>> print(result)
```

6. write a program to print the number of even and odd numbers occurring in list?

```
>>> list=[34,67,89,68,89,90,456,2,4]
```

```
>>> even_count,odd_count=0,0
```

```
>>> for num in list:
```

```
>>>     if num % 2 == 0:
```

```
>>>         even_count += 1
```

```
>>> else:
```

```
>>>     odd_count += 1
```

```
>>> print ("even number s in list :", even_count)
```

```
>>> print ("odd number s in list :", odd_count)
```

7. Write a Python Program to Print Table of a Given Number?

Python Program to Print Table of a Given Number:

```
>>> n=int(input("Enter the number to print the tables for:"))
```

```
>>> for i in range(1,11):
```

```
>>> print(n,"x",i,"=",n*i)
```

8.) Write a Python Program to Check Common Letters in Two Input Strings?

Python Program to Check Common Letters in Two Input Strings:

```
>>> s1=raw_input("Enter first string:")
```

```
>>> s2=raw_input("Enter second string:")
```

```
>>> a=list(set(s1)&set(s2))
```

```
>>> print("The common letters are:")
```

```
>>> for i in a:
```

```
>>>     print(i)
```

9. Write a program to display *'s in Right angled triangled form?

```
>>> n = int(input("Enter number of rows:"))
```

```
>>> for i in range(1,n+1):
```

```
>>>     print("* " *i)
```

10.write a Program to reverse order of words.?

```
>>> s=input("Enter Some String:")
>>> l=s.split()
>>> l1=[]
>>> i=len(l)-1
>>> while i>=0:
>>> l1.append(l[i])
>>> i=i-1
>>> output=' '.join(l1)
>>> print(output)
```