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**Assignment:-(Module-3 Python)**

**1)**

```
x=int(input())
list=[]
for i in range(0,x):
    c=input().split()
    if c[0]=="insert":
        list.insert(int(c[1]),int(c[2]))
    elif c[0]=="print":
        print(list)
    elif c[0]=="remove":
        list.remove(int(c[1]))
    elif c[0]=="append":
        list.append(int(c[1]))
    elif c[0]=="sort":
        list.sort()
    elif c[0]=="pop":
        list.pop()
    else:
        list.reverse()
```

**OUTPUT:-**

```
3
insert 2 5
insert 3 9
print
[5, 9]
```

---

2)

```
while(True):
```

```
    print("\nCalculator:\n1.Add\n2.Subtract\n3.Multiplication\n4.Division\n5.Exit") print("Enter  
the choice:")
```

```
    n=int(input())
```

```
    if(n==5):
```

```
        break
```

```
    n1=int(input("Enter the First number:"))
```

```
    n2=int(input("Enter the second number:"))
```

```
    if(n==1):
```

```
        print("Answer:",n1+n2)
```

```
    elif(n==2):
```

```
        print("Answer:",n1-n2)
```

```
    elif(n==3):
```

```
        print("Answer:",n1*n2)
```

```
    elif(n==4):
```

```
        print("Answer:",n1/n2)
```

```
    else:
```

```
        break
```

## **OUTPUT:-**

```
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
1
Enter the First number:25
Enter the second number:9
Answer: 34
```

```
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
2
Enter the First number:25
Enter the second number:9
Answer: 16
```

```
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
3
Enter the First number:25
Enter the second number:9
Answer: 225
```

```
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
4
Enter the First number:25
Enter the second number:9
Answer: 2.7777777777777777
```

```
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
5
```

3)

```
s1="mari"  
s2="swaran"  
print("String-1: ",s1)  
print("String-2: ",s2)  
print("Concatenate: ",s1+s2)  
print("String reverse: ",s1[::-1])  
print("String Slice: ",s2[2:4])
```

**OUTPUT:-**

```
String-1: mari  
String-2: swaran  
Concatenate: mariswaran  
String reverse: iram  
String Slice: ar
```