

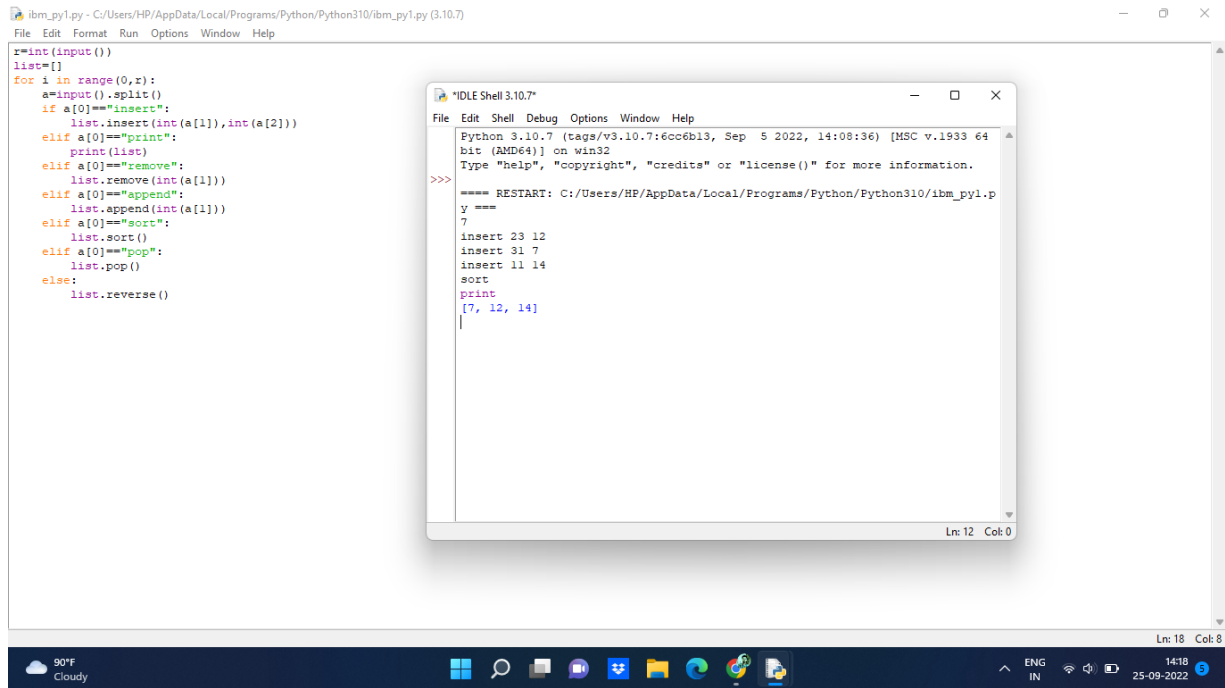
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**Assignment:-(Module-3 Python)**

**1)**

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

**OUTPUT:-**



2)

```
while(True):
    print("\nCalculator:\n1.Add\n2.Subtract\n3.Multiplication\n4.Division\n5.Exit")
    print("Enter the choice:")
    a=int(input())
    if(a==5):
        break
    m1=int(input("Enter the First number:"))
    m2=int(input("Enter the second number:"))
    if(a==1):
        print("Answer:",m1+m2)
    elif(a==2):
        print("Answer:",m1-m2)
    elif(a==3):
        print("Answer:",m1*m2)
    elif(a==4):
        print("Answer:",m1/m2)
    else:
        Break
```

## OUTPUT:-

```
ibm_py2.py - C:/Users/HP/AppData/Local/Programs/Python/Python310/ibm_py2.py (3.10.7)
File Edit Format Run Options Window Help

while(True):
    print("\nCalculator:\n1.ADD\n2.SUBTRACT\n3.MULTIPLICATION\n4.DIVISION\n5.EXIT")
    print("Enter the choice:")
    a=int(input())
    if(a==5):
        break
    m1=int(input("Enter the First number:"))
    m2=int(input("Enter the second number:"))
    if(a==1):
        print("Answer:",m1+m2)
    elif(a==2):
        print("Answer:",m1-m2)
    elif(a==3):
        print("Answer:",m1*m2)
    elif(a==4):
        print("Answer:",m1/m2)
    else:
        break

IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>

==== RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python310/ibm_py2.py ====

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
1
Enter the First number:2108
Enter the second number:202
Answer: 2310

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
2
Enter the First number:100
Enter the second number:73
Answer: 27

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
3
Enter the First number:12
Enter the second number:12
Answer: 144
```

```
ibm_py2.py - C:/Users/HP/AppData/Local/Programs/Python/Python310/ibm_py2.py (3.10.7)
File Edit Format Run Options Window Help

while(True):
    print("\nCalculator:\n1.ADD\n2.SUBTRACT\n3.MULTIPLICATION\n4.DIVISION\n5.EXIT")
    print("Enter the choice:")
    a=int(input())
    if(a==5):
        break
    m1=int(input("Enter the First number:"))
    m2=int(input("Enter the second number:"))
    if(a==1):
        print("Answer:",m1+m2)
    elif(a==2):
        print("Answer:",m1-m2)
    elif(a==3):
        print("Answer:",m1*m2)
    elif(a==4):
        print("Answer:",m1/m2)
    else:
        break

IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
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>>>

==== RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python310/ibm_py2.py ====

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
2
Enter the First number:100
Enter the second number:73
Answer: 27

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
3
Enter the First number:12
Enter the second number:12
Answer: 144

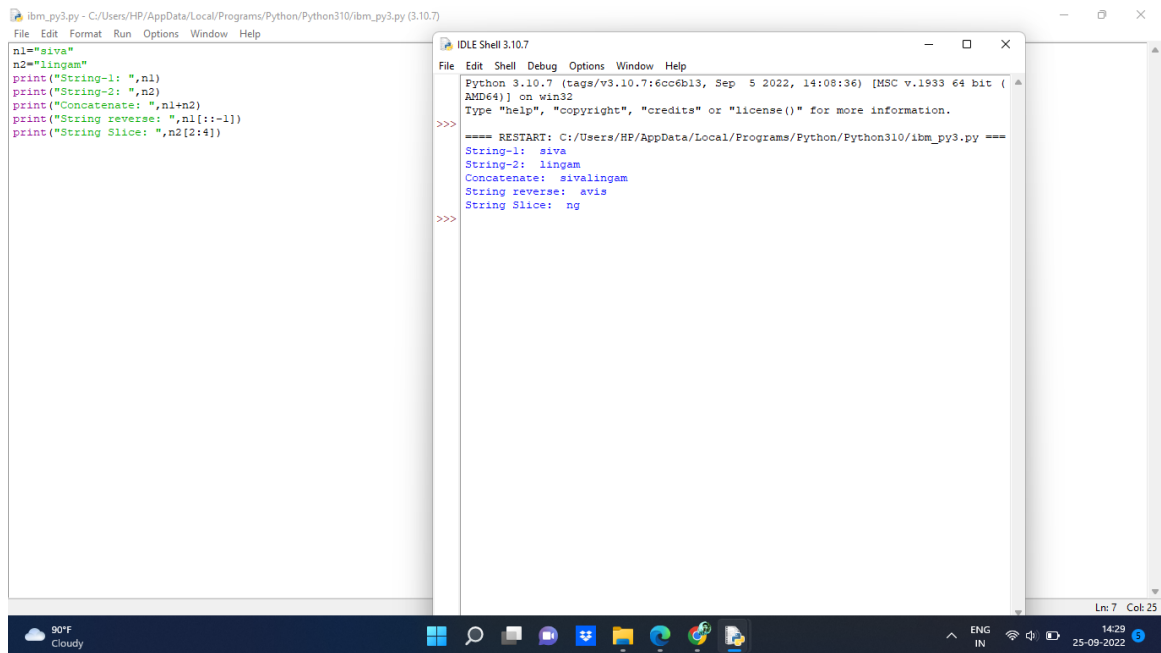
Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
4
Enter the First number:1080
Enter the second number:20
Answer: 54.0

Calculator:
1.ADD
2.SUBTRACT
3.MULTIPLICATION
4.DIVISION
5.EXIT
Enter the choice:
5
Answer: 25
```

3)

```
n1="siva"
n2="lingam"
print("String-1: ",n1)
print("String-2: ",n2)
print("Concatenate: ",n1+n2)
print("String reverse: ",n1[::-1])
print("String Slice: ",n2[2:4])
```

## OUTPUT:-



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'ibm\_py3.py', contains the following Python code:

```
n1="siva"  
n2="lingam"  
print("String-1: ",n1)  
print("String-2: ",n2)  
print("Concatenate: ",n1+n2)  
print("String reverse: ",n1[::-1])  
print("String Slice: ",n2[2:4])
```

The right window, titled 'IDLE Shell 3.10.7', shows the output of the script after execution:

```
==== RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python310/ibm_py3.py ====  
String-1: siva  
String-2: lingam  
Concatenate: sivalingam  
String reverse: avis  
String Slice: ng
```

The taskbar at the bottom indicates the system is running on Windows, with a date of 25-09-2022 and a time of 14:29.