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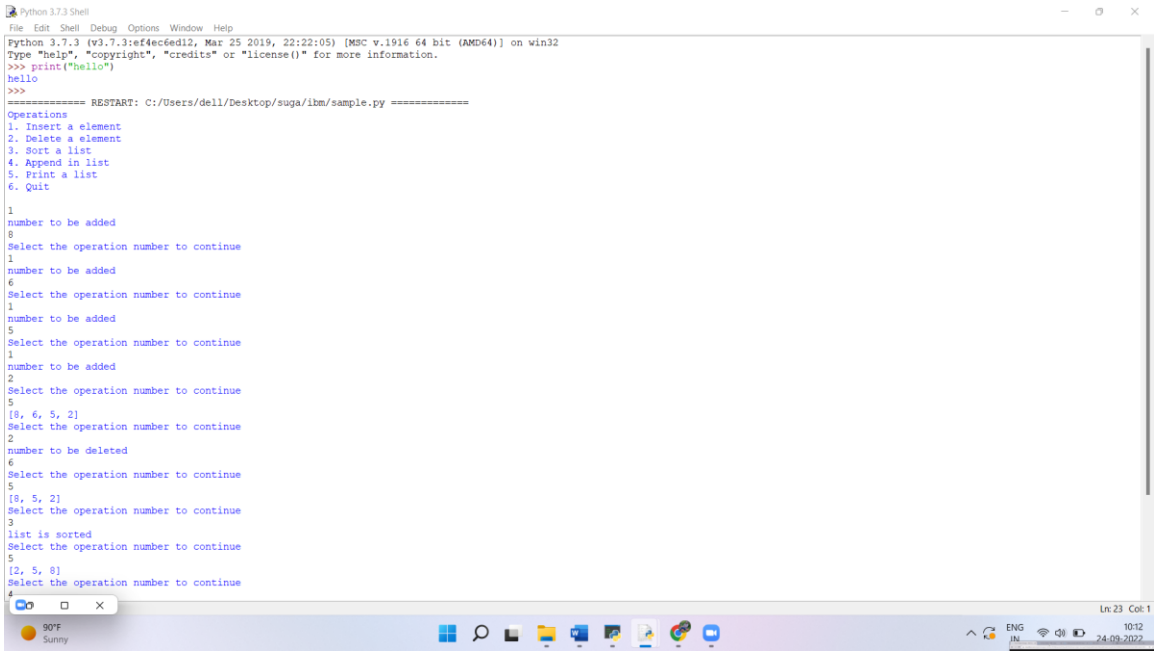
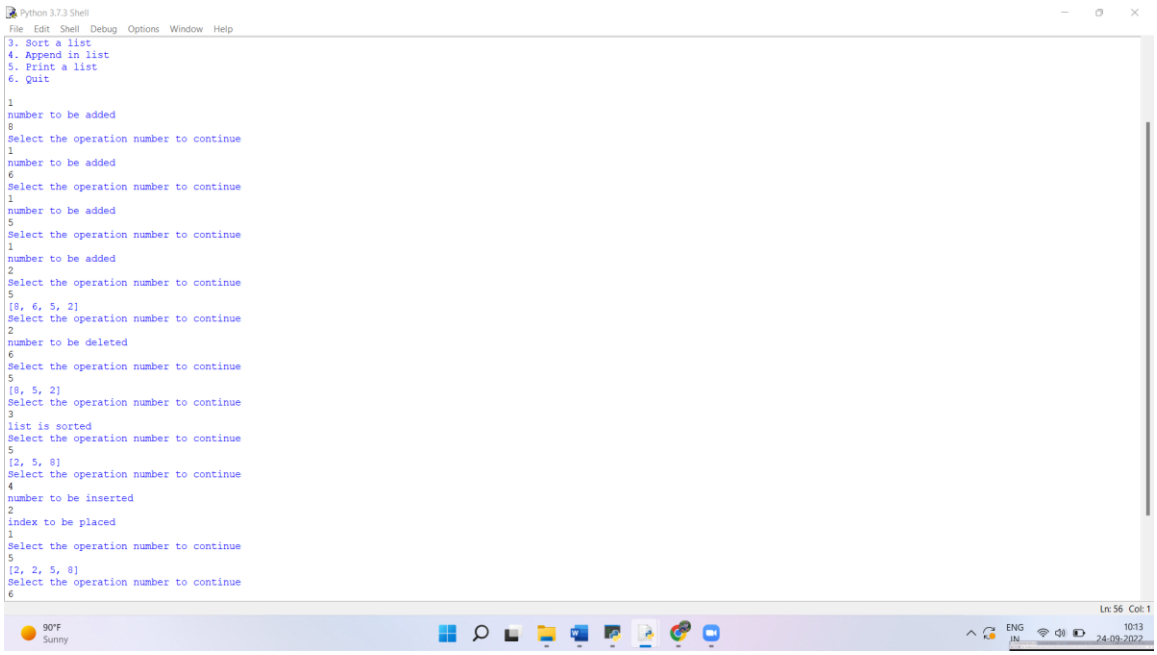
Assignment:-(Module-3 Python)

1)

```
print('''Operations
1. Insert a element
2. Delete a element
3. Sort a list
4. Append in list
5. Print a list
6. Quit
''')
ope=input()
list=[]
while (ope!='6'):
    if(ope=='1'):
        print("number to be added")
        num=int(input())
        list.append(num)
    if(ope=='2'):
        print("number to be deleted")
        num=int(input())
        list.remove(num)
    if(ope=='3'):
        print("list is sorted")
        list.sort()
    if(ope=='4'):
        print("number to be inserted")
        num=int(input())
```

```
        print("index to be placed")
        index=int(input())
        list.insert(index,num)
    if(ope=='5'):
        print(list)
    if(ope=='6'):
        break
    print("Select the operation number to continue")
    ope=input()
```



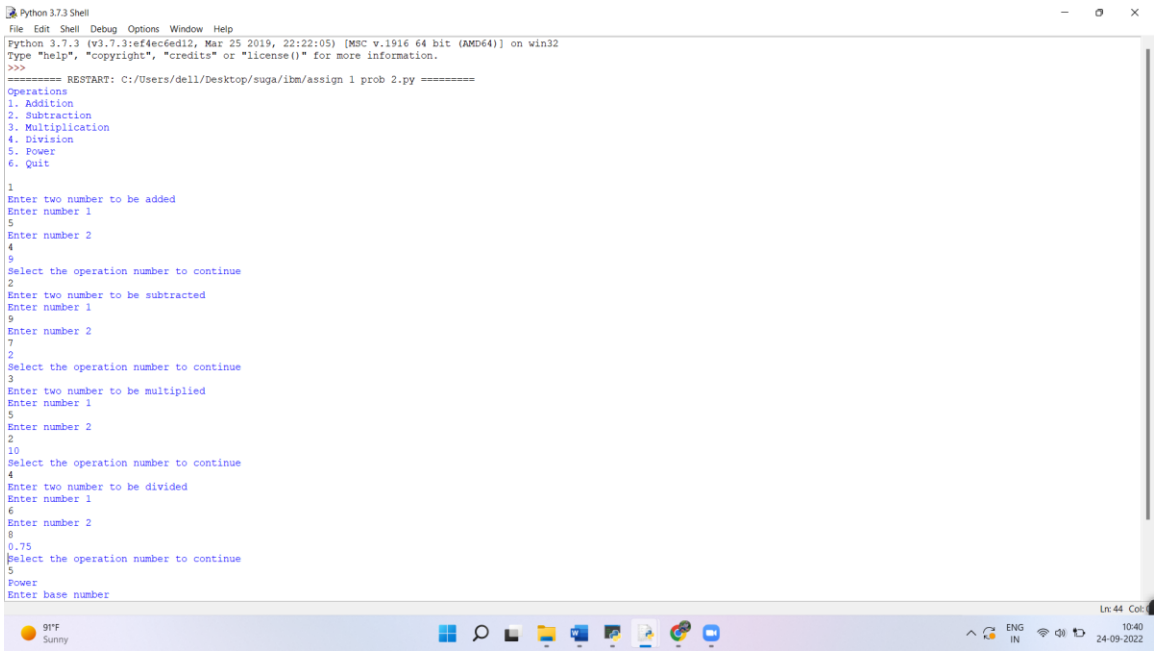


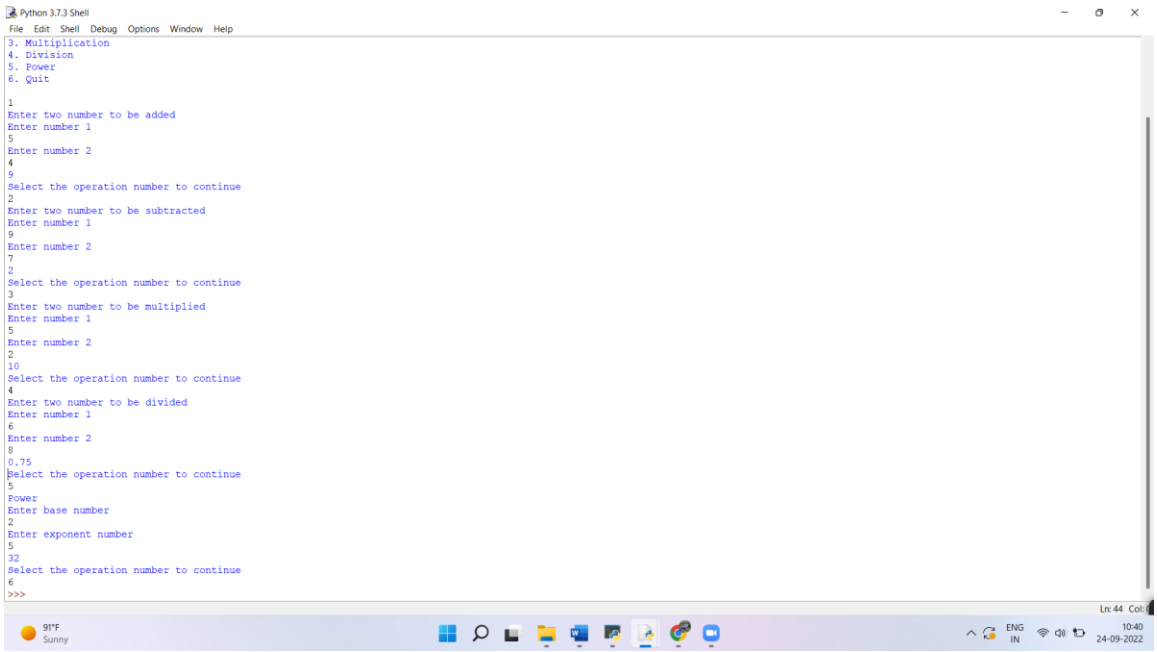
2)

```
print('''Operations
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Quit
''')
ope=input()
while (ope!='6'):
    if(ope=='1'):
        print("Enter two number to be added")
        print("Enter number 1")
        num1=int(input())
        print("Enter number 2")
        num2=int(input())
        print(num1+num2)
```

```
if(ope=='2'):
    print("Enter two number to be subtracted")
    print("Enter number 1")
    num1=int(input())
    print("Enter number 2")
    num2=int(input())
    print(num1-num2)
if(ope=='3'):
    print("Enter two number to be multiplied")
    print("Enter number 1")
    num1=int(input())
    print("Enter number 2")
    num2=int(input())
    print(num1*num2)
if(ope=='4'):
    print("Enter two number to be divided")
    print("Enter number 1")
    num1=int(input())
    print("Enter number 2")
    num2=int(input())
    print(num1/num2)
if(ope=='5'):
    print("Power")
    print("Enter base number")
    num1=int(input())
    print("Enter exponent number")
    num2=int(input())
    print(num1**num2)
if(ope=='6'):
```

```
    break
print("Select the operation number to continue")
ope=input()
```

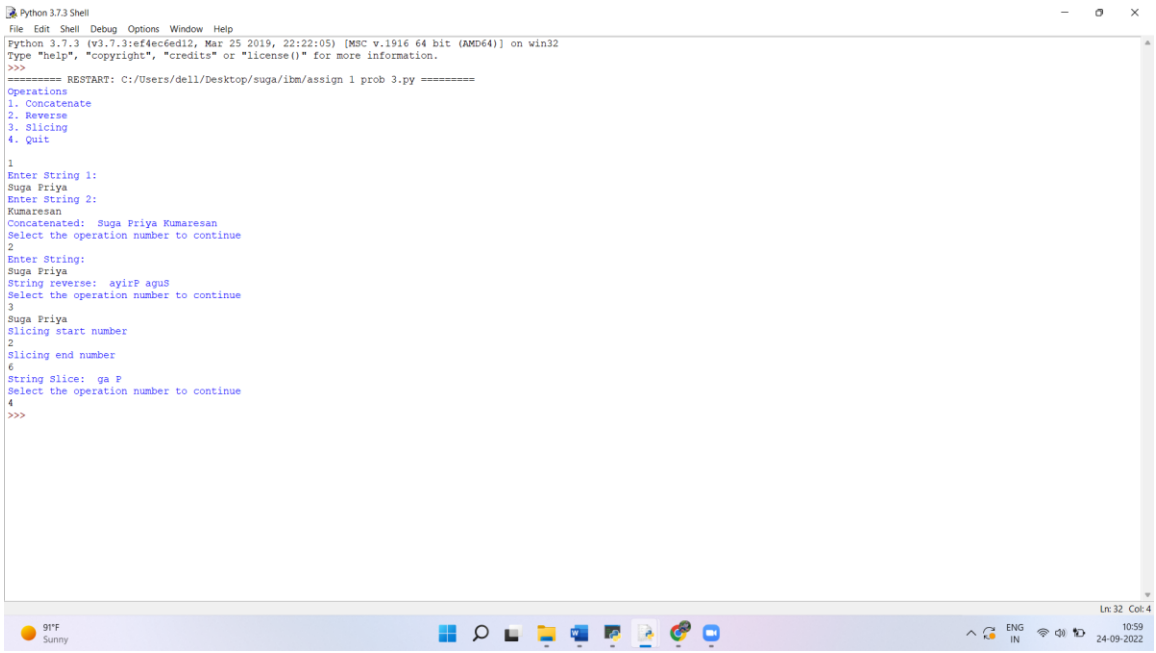




3)

```
print('"Operations
1. Concatenate
2. Reverse
```

```
3. Slicing
4. Quit
'')
ope=input()
while (ope!='4'):
    if(ope=='1'):
        print("Enter String 1: ")
        str1=input()
        print("Enter String 2: ")
        str2=input()
        print("Concatenated: ",str1+str2)
    if(ope=='2'):
        print("Enter String: ")
        str=input()
        print("String reverse: ",str[::-1])
    if(ope=='3'):
        str=input()
        print("Slicing start number")
        start=int(input())
        print("Slicing end number")
        end=int(input())
        print("String Slice: ",str[start:end])
    if(ope=='4'):
        break
    print("Select the operation number to continue")
    ope=input()
```


Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 22:22:05) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: C:/Users/dell/Desktop/suga/ibm/assign 1 prob 3.py ========
Operations
1. Concatenate
2. Reverse
3. Slicing
4. Quit
1
Enter String 1:
Suga Priya
Enter String 2:
Kumaresan
Concatenated: Suga Priya Kumaresan
Select the operation number to continue
2
Enter String:
Suga Priya
String reverse: ayirP aguS
Select the operation number to continue
3
Suga Priya
Slicing start number
2
Slicing end number
6
String Slice: ga P
Select the operation number to continue
4
>>>
Ln: 32 Col: 4
91°F
Sunny
ENG
IN
10:59
24-09-2022