Sample Assignment:-(Module-3 Python)

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1)

```python
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'):
```

```python
        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()
```

```
3. Sort a list
4. Append in list
5. Print a list
6. Quit

1
number to be added
8
Select the operation number to continue
1
number to be added
6
Select the operation number to continue
1
number to be added
5
Select the operation number to continue
1
number to be added
2
Select the operation number to continue
5
[8, 6, 5, 2]
Select the operation number to continue
2
number to be deleted
6
Select the operation number to continue
5
[8, 5, 2]
Select the operation number to continue
3
list is sorted
Select the operation number to continue
5
[2, 5, 8]
Select the operation number to continue
4
number to be inserted
2
index to be placed
1
Select the operation number to continue
5
[2, 2, 5, 8]
Select the operation number to continue
6
```

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")
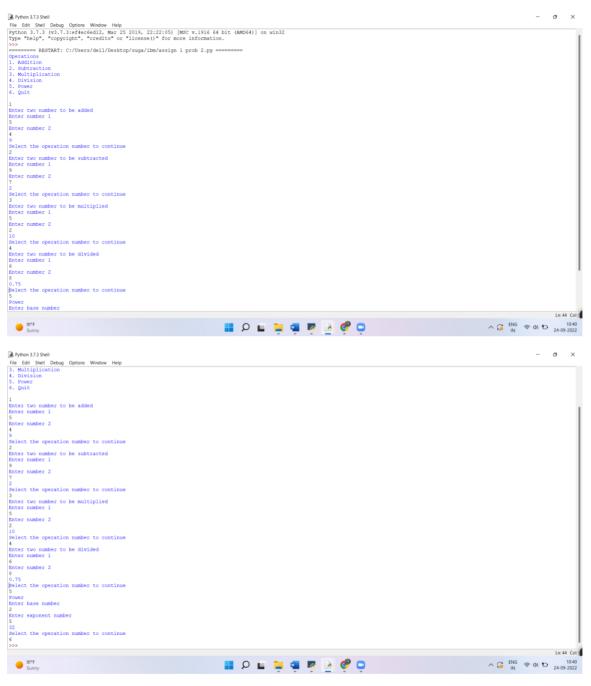
      num2=int(input())

      print(num1+num2)

```python
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

```python
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
```