

Sample Assignment:-(Module-3 Python)

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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)

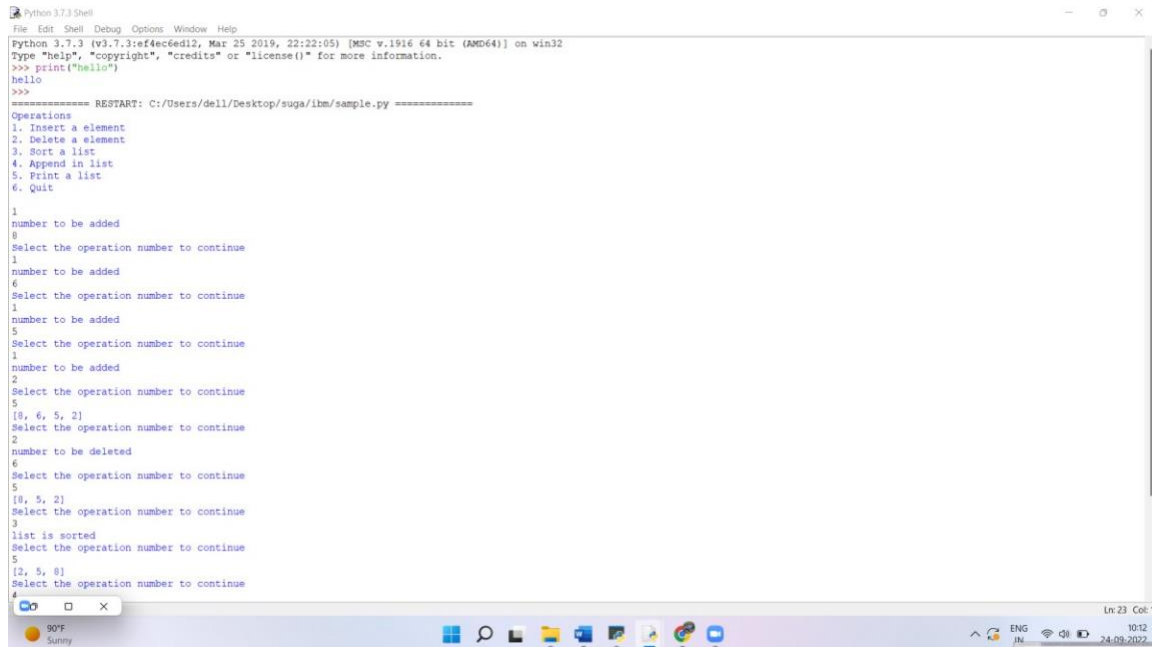
if(ope=='6'):

    break

print("Select the operation number to continue")

ope=input()

```



```

Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6d12, Mar 25 2019, 22:22:05) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("Hello")
Hello
>>>
===== RESTART: C:/Users/dell/Desktop/suga/ibm/sample.py =====
Operations
1. Insert a element
2. Delete a element
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

```

```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
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
Ln: 56 Col: 1
90°F Sunny
10:13
24-09-2022
```

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()

```
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/1bm/assign 1 prob 2.py =====
Operations
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Power
6. Quit
1
Enter two number to be added
Enter number 1
5
Enter number 2
4
9
Select the operation number to continue
2
Enter two number to be subtracted
Enter number 1
9
Enter number 2
7
2
Select the operation number to continue
3
Enter two number to be multiplied
Enter number 1
5
Enter number 2
2
10
Select the operation number to continue
4
Enter two number to be divided
Enter number 1
6
Enter number 2
8
0.75
Select the operation number to continue
5
Power
Enter base number
```

```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
3. Multiplication
4. Division
5. Power
6. Quit
1
Enter two number to be added
Enter number 1
5
Enter number 2
4
9
Select the operation number to continue
2
Enter two number to be subtracted
Enter number 1
9
Enter number 2
7
2
Select the operation number to continue
3
Enter two number to be multiplied
Enter number 1
5
Enter number 2
2
10
Select the operation number to continue
4
Enter two number to be divided
Enter number 1
6
Enter number 2
8
0.75
Select the operation number to continue
5
Power
Enter base number
2
Enter exponent number
5
32
Select the operation number to continue
6
>>>
```

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
>>>
```

91°F Sunny

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10:59 24-09-2022