ASSIGNMENT 1

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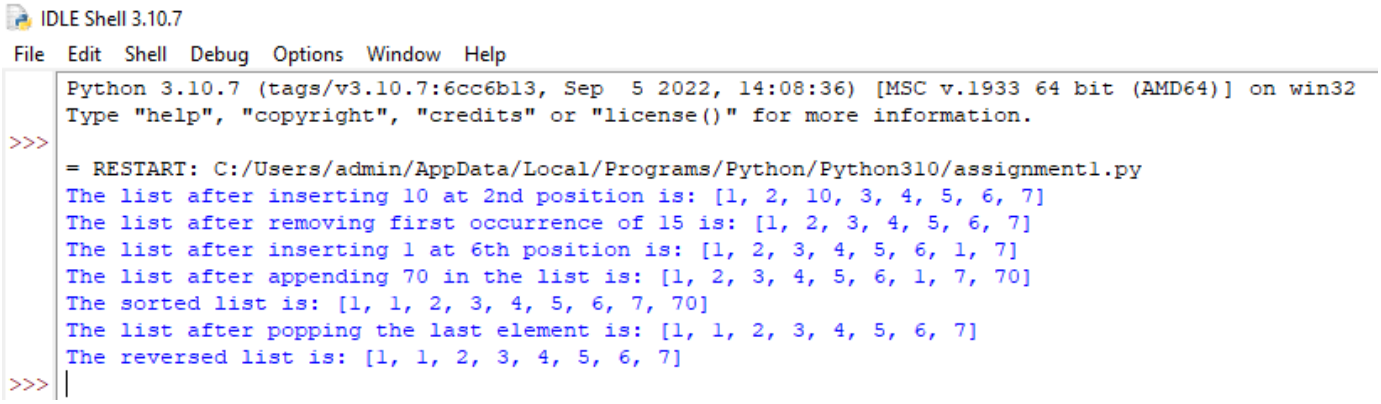
PROJECT TOPIC: CUSTOMER CARE REGISTRY

TEAM ID: PNT2022TMID27825

1)LIST PROGRAM

```
list=[1,2,3,4,5,6,7]
list.insert(2,10)
print("The list after inserting 10 at 2nd position is:",list)
list.remove(10)
print("The list after removing first occurrence of 15 is:",list)
list.insert(6,1)
print("The list after inserting 1 at 6th position is:",list)
list.append(70)
print("The list after appending 70 in the list is:",list)
list.sort()
print("The sorted list is:",list)
del list[-1]
print("The list after popping the last element is:",list)
list[::-1]
print("The reversed list is:",list)
```



2)CALCULATOR PROGRAM

```
print("Select operation.")

n= input("\n1.Add\n2.Subtract\n3.Multiply\n4.Divide\nEnter your option:")

num1=int(input("Enter the first number:"));

num2=int(input("Enter the second number:"));

if n == '1':

    print(num1, "+", num2, "=", num1+num2)

elif n == '2':

    print(num1, "-", num2, "=", num1-num2)

elif n == '3':

    print(num1, "*", num2, "=", num1*num2)

elif n == '4':

    print(num1, "/", num2, "=", num1/num2)
```

```
Select operation.

1.Add
2.Subtract
3.Multiply
4.Divide
Enter your option:1
Enter the first number:19
Enter the second number:10
19 + 10 = 29


Select operation.

1.Add
2.Subtract
3.Multiply
4.Divide
Enter your option:2
Enter the first number:10
Enter the second number:5
10 - 5 = 5

Select operation.

1.Add
2.Subtract
3.Multiply
4.Divide
Enter your option:3
Enter the first number:6
Enter the second number:3
6 * 3 = 18

Select operation.

1.Add
2.Subtract
3.Multiply
4.Divide
Enter your option:4
Enter the first number:6
Enter the second number:3
6 / 3 = 2.0
```

3) WRITE A PROGRAM TO CONCATENATE, REVERSE AND SLICE A STRING

```
string1=(input("Enter the string1 "))

string2=(input("Enter the string2 "))

string=string1+string2

print("The concatenation of two strings is:",string)

print("The reverse of the string is:",string[::-1])

print("The slice of the string is:",string[2:5])
```

```
Enter the string1 hi
Enter the string2 everyone
The concatenation of two strings is: hieveryone
The reverse of the string is: enoyreveih
The slice of the string is: eve
```

4) WHY IS PYTHON A POPULAR LANGUAGE?

Python language is incredibly easy to use and learn for new beginners and newcomers. The python language is one of the most accessible programming languages available because it has simplified syntax and is not complicated, which gives more emphasis on natural language. Due to its ease of learning and usage, python codes can be easily written and executed much faster than other programming languages.

5)WHAT ARE THE OTHER FRAMEWORKS THAT CAN BE USED WITH PYTHON?

Django
Pyramid
TurboGears
Cherrypy
Flask
Sanic
web2py
bottle

6)FULL FORM OF WSGI

Web Server Gateway Interface