

ASSIGNMENT 1

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PROJECT TOPIC: CUSTOMER CARE REGISTRY

TEAM ID: PNT2022TMID27825

1)LIST PROGRAM

```
list=[1,2,3,1,8]
```

```
list.insert(5,9)
```

```
print("The list after insert at 5th position",list)
```

```
list.remove(1)
```

```
print("The list after removal of first occurrence of 1:", list)
```

```
list.insert(5,6)
```

```
print("The list after insert at end of list",list)
```

```
list.sort()
```

```
print("The list after sorting",list)
```

```
list.pop()
```

```
print("The list after pop",list)
```

```
list.reverse()
```

```
print("The reverse of the list",list)
```

OUTPUT:

```
Shell Clear
The list after insert at 5th postion [1, 2, 3, 1, 8, 9]
The list after removal of first occurence of 1: [2, 3, 1, 8, 9]
The list after insert at end of list [2, 3, 1, 8, 9, 6]
The list after sorting [1, 2, 3, 6, 8, 9]
The list after pop [1, 2, 3, 6, 8]
The reverse of the list [8, 6, 3, 2, 1]
> |
```

2)CALCULATOR PROGRAM IN PYTHON

```
x=int(input("Enter the first number "))
y=int(input("Enter the second number "))
z=int(input("Enter the operation to be performed (1.add 2.sub 3.multiply 4.divide) "))
if(z==1):
    a=int(x+y)
elif(z==2):
    a=int(x-y)
elif(z==3):
    a=int(x*y)
elif(z==4):
    a=int(x/y)
else:
    print("Invalid operation")
print("The result is ",a)
```

OUTPUT:

Shell Clear

```
Enter the first number 20
Enter the second number 10
Enter the operation to be performed (1.add 2.sub 3.multiply 4.divide) 1
The result is 30
> |
```

Shell Clear

```
Enter the first number 20
Enter the second number 10
Enter the operation to be performed (1.add 2.sub 3.multiply 4.divide) 2
The result is 10
>
```

Shell

Clear

Enter the first number 20
Enter the second number 10
Enter the operation to be performed (1.add 2.sub 3.multiply 4.divide) 3
The result is 200
>

Shell

Clear

Enter the first number 20
Enter the second number 10
Enter the operation to be performed (1.add 2.sub 3.multiply 4.divide) 4
The result is 2
>

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

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

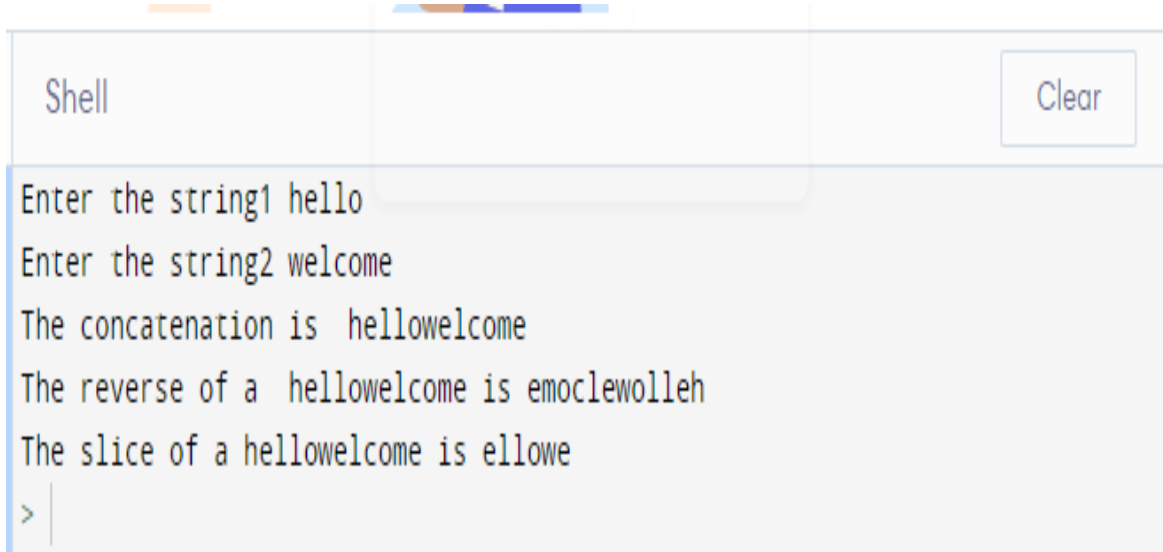
```
y=(input("Enter the string2 "))
```

```
z=x+y
```

```
print("The concatenation is ",z)
```

```
print("The reverse of a ",z,"is",z[::-1])  
a=slice(2,9)  
print("The slice of a", z,"is",z[1:7])
```

OUTPUT:



```
Shell Clear  
Enter the string1 hello  
Enter the string2 welcome  
The concatenation is helloworld  
The reverse of a helloworld is emoclewolleh  
The slice of a helloworld is ellowe  
> |
```

4)WHY IS PYTHON A POPULAR PROGRAMMING LANGUAGE?

- Python is a general purpose language that is easy to learn and use.
- It is flexible
- It is efficient, fast and reliable

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

- Django
- Pyramid
- TurboGears
- Cherrypy
- Flask
- Sanic

6)FULL FORM OF WSGI

Web Server Gateway Interface