```python
# list operations in python

list1=[1,2,4,5,6,4,5,3]

# printing the list:

print(list1)

# to insert a integer at a position

list1.insert(2,10)

# remove the first occurance of the integer

list1.remove(5)

# To insert a integer at the end of the list

list1.append(1)

# To sort the list in assending order

list1.sort()

# To pop the last element from the list

list1.pop()

# To reverse the list

list1.reverse()
```

```python
# Python Program for calculator


def add(x, y):

    return x + y

def subtract(x, y):
```

```python
        return x - y
def multiply(x, y):
    return x * y
def divide(x, y):
    return x / y
print("Select operation.")
print("1.Add")
print("2.Subtract")
print("3.Multiply")
print("4.Divide")

while True:
    choice = input("Enter choice(1/2/3/4): ")

    if choice in ('1', '2', '3', '4'):
        num1 = float(input("Enter first number: "))
        num2 = float(input("Enter second number: "))

        if choice == '1':
            print(num1, "+", num2, "=", add(num1, num2))

        elif choice == '2':
            print(num1, "-", num2, "=", subtract(num1, num2))
```

```python
        elif choice == '3':
            print(num1, "*", num2, "=", multiply(num1, num2))

        elif choice == '4':
            print(num1, "/", num2, "=", divide(num1, num2))

        next_calculation = input("Let's do next calculation? (yes/no): ")
        if next_calculation == "no":
            break

    else:
        print("Invalid Input")
```

```python
#Python program to concatenate, reverse and slice a string

print("1.concatenate")
print("2.reverse")
print("3.slice")
choice=int(input("Enter the operation you want to perform[1/2/3]:"))
if choice==1:
    str1=input("Enter the string one:")
    str2=input("Enter the string two:")
```

```python
    print(str1+str2)
elif choice==2:
    str1=input("Enter the string:")
    print(str1[::-1])
elif choice==3:
    str1=input("Enter the string")
    start=int(input("Enter the starting index:"))
    end=int(input("Enter the ending index:"))
    print(str1[start:end+1])
```

Why is Python a popular programming language?

Python is easy to learn

It uses a simplified syntax with an emphasis on natural language,

for a much easier learning curve for beginners.

And, because Python is free to use and is supported by an extremely large ecosystem of libraries and packages,

it's often the first-choice language for new developers.

What are the other Frameworks that can be used with python?

   1.Django

2.Flask

3.Sanic

4.TurboGears

5.Pyramid

6.Web2py

7.Cherrypy

Full form of WSGI?

WSGI => Web Server GateWay Interface