

Write a Calculator program in Python?

```
def add(P, Q):  
    return P + Q  
  
def subtract(P, Q):  
    return P - Q  
  
def multiply(P, Q):  
    return P * Q  
  
def divide(P, Q):  
    return P / Q  
  
print ("Please select the operation.")  
print ("a. Add")  
print ("b. Subtract")  
print ("c. Multiply")  
print ("d. Divide")  
  
choice = input("Please enter choice (a/ b/ c/ d): ")  
  
num_1 = int (input ("Please enter the first number: "))  
num_2 = int (input ("Please enter the second number: "))  
  
if choice == 'a':  
    print (num_1, " + ", num_2, " = ", add(num_1, num_2))  
  
elif choice == 'b':  
    print (num_1, " - ", num_2, " = ", subtract(num_1, num_2))
```

```
elif choice == 'c':  
    print(num1, " * ", num2, " = ", multiply(num1, num2))  
elif choice == 'd':  
    print(num_1, " / ", num_2, " = ", divide(num_1, num_2))  
else:  
    print("This is an invalid input")
```

Write a program to concatenate, reverse and slice a string?

```
#concatenate  
x = "Python "  
y = "is "  
z = "awesome"  
  
print(x + y + z)  
  
#reverse  
txt = "Hello World"[::-1]  
  
print(txt)  
  
#slice  
b = "Hello, World!"  
  
print(b[2:5])
```

Why is Python a popular programming language?

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?

Django

Flask

Web3py

CherryPy

Tornado

Full form of WSGI?

Web Server Gateway Interface