

Why is Python a popular programming language?

Python is a popular programming language because python is the best language to learn for the beginners and it supports wide range of applications from simple text processing to worldwide web browsers to games

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

- CubicWeb
- Django
- Flask
- AIOHTTP
- Dash
- Bottle
- CherryPy
- Falcon
- Pyramid etc.,

Full form of WSGI

Full form of WSGI is Web Server Gateway Interface

Calculator

```
def add(x, y):  
    return x + y  
  
def subtract(x, y):  
    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))

    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")

```

Concatenated String

```

n1="aero"
n2="plane"
a=n1+n2
print("concatenated string is:", a)
str=a
print("Reversed string is:", str[::-1])
str='aeroplane'
print("Sliced string is:", str[3:9])

```

Perform the function

```
if __name__ == '__main__':  
    N = int(input())  
    command=[]  
    for i in range(N):  
        command.append(input().split())  
  
    result=[]  
    for i in range(N):  
        if command[i][0]=='insert':  
            result.insert(int(command[i][1]),int(command[i][2]))  
        elif command[i][0]=='print':  
            print(result)  
        elif command[i][0]=='remove':  
            result.remove(int(command[i][1]))  
        elif command[i][0]=='append':  
            result.append(int(command[i][1]))  
        elif command[i][0]=='pop':  
            result.pop()  
        elif command[i][0]=='sort':  
            result.sort()  
        elif command[i][0]=='reverse':  
            result.reverse()
```