

## ASSIGNMENT

### 1.Code:

```
arr=list(map(int, input().split()))
print("Enter 'end' command after last input")
while(True):
    com=input()
    a=com.split()
    if a[0]=='insert':
        arr.insert(int(a[1]), int(a[2]))
    elif a[0]=='print':
        print(arr)
    elif a[0]=='remove':
        arr.remove(int(a[1]))
    elif a[0]=='append':
        arr.append(int(a[1]))
    elif a[0]=='sort':
        arr.sort()
    elif a[0]=='pop':
        arr.pop()
    elif a[0]=='reverse':
        arr.reverse()
    else:
        break
```

### 2.Code:

```
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.")
```

## ASSIGNMENT

```
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("Continue calculation(y/n): ")
        if next_calculation == "n":
            break
    else:
        print("Invalid Input")
```

### 3.Code:

```
def stringConcatenation(str1, str2):
    return str1+str2
```

```
def stringReverse(str1):
    return str1.reverse()
```

```
def stringSlice(str1, startIndex, endIndex):
    return str1[startIndex:endIndex]
```

**4.** Python has simplified syntax and 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.

## ASSIGNMENT

5.

- FastApi
- Django
- Tensorflow
- Pygame
- Web2Py.
- Flask.

6. **WSGI**-Web Server Gateway Interface