Python program to create a simple Calculator

Two steps to build calculator program

1. Functions for operations

2. User input & print result

Step-1: Create functions

Function to add two numbers

In [13]:
```python
# Function to add two numbers
def add(num1,num2):
    return num1+num2

# Function to Substract two numbers
def sub(num1,num2):
    return num1-num2

# Function to multiply two numbers
def multiply(num1,num2):
    return num1*num2

# Function to divide two numbers
def divide(num1,num2):
    return num1/num2

# Function to Average of two numbers
def avg(num1,num2):
    return (num1+num2)/2
```

Step-2: Create User input & Print result

In [18]:
```python
print("Please select an operation:\n" \
      "1. Addition\n" \
      "2. Substraction\n" \
      "3. Multiply\n" \
      "4. Division\n" \
      "5. Average\n")

select = int(input("Select an operation from 1 to 5:"))
number1 = int(input("Enter first number:"))
number2 = int(input("Enter second number:"))

# Print the result
if select==1:
    print(number1,"+",number2,"= ",add(number1,number1))
elif select==2:
    print(number1,"-",number2,"= ",sub(number1,number2))
```

```python
elif select==3:
    print(number1,"*",number2,"=  ",multiply(number1,number2))
elif select==4:
    print(number1,"/",number2,"=  ",divide(number1,number2))
elif select==5:
    print("(",number1,"+",number2,")","/","2","=   ",avg(number1,number2))
else:
    print("Invalid operation! Pls select again!")
```

```
Please select an operation:
1. Addition
2. Substraction
3. Multiply
4. Division
5. Average

8 / 2 =  4.0
```

In [ ]: