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# Learning



# Good starting point

```
#Starting point of code execution  
#with class and function, try to use it  
if __name__ == '__main__':
```

# Function

- Function – to use the same code multiple time without rewriting
- 2 types:
  - Built in function
  - Class instance function
- 3 parts:
  - function declaration
  - function definition
  - function call

# Function

- `#syntax`
- `def FunctionName (arg1, arg2,...):`
  - `#write your code here`
  - `Return`
- `FunctionName(arg1, arg2,...)`



# Variables inside function

- There are 2 types of variable:
  - Local variable
  - Global variable
- Local Variable: Valid only inside function
- Global variable: Valid through code
- Function parameters (argument) are global or local?

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# class

- Class myClass:
  - Def method1(arg1, arg2,...)
  - {
    - #code
  - }
  - Def method2(arg1, arg2,...)
  - {
    - #code
  - }



# Tasks



# Simple Calculator

- Implement the methods for
  - Add()
  - Subtract()
  - Multiply()
  - Devide()

# Mean of all Numbers from List

- You are provided a list, calculate the mean
- Mean = sum of all items/total items