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Assignment on Python Functions 1 & 2:

1) Write a python fun2 that takes no args & returns "Hello"

```
def print_message():
    return "Hello"
```

2) Declare a fun that takes a name & returns a greeting.

```
def greeting(name):
    return "Hello" + name
```

3) Create a fun2 that takes two numbers & returns their sum

```
def add_two_numbers(num1: int, num2: int):
    return num1 + num2
```

4) Define a function called Square that returns the square of a number.

```
def square_of_number(number: int):
    return number * number
```

5) Write a function called square that to calculate area of a rectangle with width & hight as parameters

```
def area_of_rectangle (width: int, hight: int):
    return width * hight
```

6) Declare a function that takes 3 numbers & returns their average.

```
def average_of_numbers (num1: int, num2: int):
    return (num1 + num2) / 2
```

8) ~~Create~~ Write a function that returns True if a number is even.

```
def is_even (num: int):
    return num % 2 == 0
```

7) Create a function that accepts a list of numbers & returns their sum.

```
def list_of_numbers_sum (numbers: list):
    return sum (numbers)
```

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9) Define a function that takes a string & a number n, & returns the string repeated n times.

```
def repeat_string (string: str, n: int):
    return string * n
```

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10) Write a function that takes two lists & returns a new list with their combined values

```
def combine_lists (list1: list, list2: list):
    return list1 + list2
```

11) Write a function that takes & returns "Hello" & takes no input

```
def no_input ():
    return "Hello"
```

12) Create a fn2 that takes two integers & returns their sum.

```
def two_integers_sum (int1: int, int2: int)
    return int1 + int2
```

Repeat

13) Define a fu2 that returns the Square of an integer.

```
def square_of_integer ( num : int ) :
    return num * num
```

Repeat

14) Write a function that returns the area of a rectangle given width & height

```
def area_of_rectangle ( width : int, height : int):
    return width * height
```

15) Declare a fu2 that accepts three floats & returns their average

```
def average_floats ( num1 : float, num2 : float,
                     num3 : float ) :
    return (num1 + num2 + num3) / 3
```