## LAB 8 - Using Functions

Besides the built-in functions in Python such len and sum, we can define our own functions. An example of this is given below, which can be directly typed in and used in the Python shell,
>>> avg3(30,60,20)
36.666666666666664

```
```

>>> def total(lst):

```
>>> def total(lst):
>>> def avg(lst):
>>> def avg(lst):
return total(Ist) / len(lst)
return total(Ist) / len(lst)
    sum = sum + Ist[k]
    sum = sum + Ist[k]
    return sum >>> nums = [30,60,20]
    return sum >>> nums = [30,60,20]
    >>> avg(nums)
    >>> avg(nums)
    36.666666666666664
    36.666666666666664
```

>>> nums = [10,20,30]

```
>>> nums = [10,20,30]
```

>>> nums = [10,20,30]
>>> total(nums)
>>> total(nums)
>>> total(nums)
60

```
```

60

```
```

60

```
```

```
```

>>> def avg3(n1, n2, n3):

```
```

>>> def avg3(n1, n2, n3):
return (n1 + n2 + n3) / 3.0

```
    return (n1 + n2 + n3) / 3.0
```

```
                                return tota(Ist) / len(lst)
```

                                return tota(Ist) / len(lst)
    *)
    ```
    *)
```

