

<u>Assignment – Day 6</u>

 Create an add function that is agnostic to number of inputs Example:

```
My_Custom_Add(1,2,3,4,5)

Output: 15

[Marks: 2]
```

2. Accept two sequence of number, one for distance another for time and return a list of speeds

```
Example:
```

Input Format:

- 10 20 30 40 50
- 15324

Output format

[10.0, 4.0, 10.0, 20.0, 12.5]

[Marks: 2]

3. Given a list of products, print out the name of all the products with a price higher than 10

4. Given students and their marks in following format calculate average marks for every subject

#Note - some of the marks are None, that is student did not appear for the exam and that shld be excluded from average calculation

```
student ={'A': {'PHY': 88, 'CHEM': 71, 'MATH': 88},
           'B': {'PHY': 52, 'CHEM': 99, 'MATH': 21},
           'C': {'PHY': 56, 'CHEM': 59, 'MATH': 28},
           'D': {'PHY': 15, 'CHEM': 61, 'MATH': 79},
           'E': {'PHY': 18, 'CHEM': 61, 'MATH': 82},
           'F': {'PHY': 41, 'CHEM': 70, 'MATH': 59},
           'G': {'PHY': None, 'CHEM': 61, 'MATH': 54},
           'H': {'PHY': 71, 'CHEM': None, 'MATH': 10},
           'I': {'PHY': 65, 'CHEM': 9, 'MATH': 65},
           'J': {'PHY': 69, 'CHEM': 39, 'MATH': 75},
           'K': {'PHY': 92, 'CHEM': 11, 'MATH': None},
           'L': {'PHY': None, 'CHEM': None, 'MATH': None}
#Output
             # Average PHY Marks: 56.7
             # Average CHEM Marks: 54.1
             # Average MATH Marks: 56.1
```

[Marks: 4]

5. Calculate avg marks of the student

Example:

##Note - some of the marks are None that is student did not appear for the exam and that should be excluded from average calculation

```
student ={'A': {'PHY': 88, 'CHEM': 71, 'MATH': 88},
         'B': {'PHY': 52, 'CHEM': 99, 'MATH': 21},
         'C': {'PHY': 56, 'CHEM': 59, 'MATH': 28},
         'D': {'PHY': 15, 'CHEM': 61, 'MATH': 79},
         'E': {'PHY': 18, 'CHEM': 61, 'MATH': 82},
         'F': {'PHY': 41, 'CHEM': 70, 'MATH': 59},
         'G': {'PHY': None, 'CHEM': 61, 'MATH': 54},
         'H': {'PHY': 71, 'CHEM': None, 'MATH': 10},
         'I': {'PHY': 65, 'CHEM': 9, 'MATH': 65},
         'J': {'PHY': 69, 'CHEM': 39, 'MATH': 75},
         'K': {'PHY': 92, 'CHEM': 11, 'MATH': None},
         'L': {'PHY': None, 'CHEM': None, 'MATH': None}
##### Output
# Avg marks of student A 82.333333333333333
# Avg marks of student B 57.333333333333333
# Avg marks of student C 47.66666666666664
# Avg marks of student D 51.66666666666664
# Avg marks of student E 53.66666666666664
# Avg marks of student F 56.66666666666664
# Avg marks of student G 57.5
# Avg marks of student H 40.5
# Avg marks of student I 46.333333333333333
# Avg marks of student J 61.0
# Avg marks of student K 51.5
# Avg marks of student L 0
```

[Marks: 5]