

Python Assignment - 2

Exercise 01: The list below is the collection of the ages of people from a village. Clean up the data and store only numbers in another list.

```
data_list = [13, 24, 'Karim', {'name': 'guru'}, 45, 17]
```

Exercise 02: Find the most frequent character in the paragraph

```
rhyme = 'Twinkle, twinkle, little star. How I wonder what you are!'
```

Exercise 03: Find the common items between the lists and make SUM of the new list items which are common between the lists.

```
list1 = [3, 5, 7, 4, 8, 8]
list2 = [4, 9, 8, 7, 1, 1, 13]
```

Exercise 04: Compare the two dictionaries and find the common items based on KEYs of the dictionaries

```
dict1 = {'age': 13, 'id': 12, 'address': 'Banani', 'course': 'Python'}
dict2 = {'address': 'Rupnagar', 'id': 25, 'course': 'MERN'}
```

Exercise 05: Sort the list in DESCENDING order and find the subtraction of maximum and minimum numbers.

```
list_1 = [4, 9, 8, 7, 5, 2, 13]
```

Exercise 06: Write conditional statements to identify the student's average marks. If any subject's mark is less than 40, you should print FAILED instead of making average marks

```
student_1 = [40, 35, 70, 90, 56]
student_2 = [57, 35, 80, 98, 46]
```