- 1. What is dictionary in Python and explain it with an example

 Dictionaries are another example of a data structure. A dictionary is used to
 map or associate things you want to store the keys you need to get them. A

 dictionary in Python is just like a dictionary in the real world. Python Dictionary are
 defined into two elements Keys and Values.
- Keys will be a single element
- Values can be a list or list within a list, numbers, etc.
- Syntax for Python Dictionary:

```
Dict = { ' Tim': 18, xyz,.. }
```

- Dictionary is listed in curly brackets, inside these curly brackets, keys and values are declared. Each key is separated from its value by a colon (:) while each element is separated by commas.
- Ex:-

Enter number 8

Enter number 6

Enter number 3

```
Dict = {'Tim': 18,'Charlie':12,'Tiffany':22,'Robert':25}
print (Dict['Tiffany'])
```

2. Program to find sum of all the elements in a list

```
lst = []
num = int(input('How many numbers: '))
for n in range(num):
  numbers = int(input('Enter number '))
lst.append(numbers)
print("Sum of elements in given list is :", sum(lst))
Output:-
How many numbers: 5
Enter number 3
```

Enter number 2

Sum of elements in given list is: 22

3. Program to create a list of empty dictionaries

[{}, {}, {}, {}, {}]

4. Program to access dictionary keys elements by index

Maths