***Applied Physics Lab Activity -3***

1. Write a Python script to print a dictionary (**name: dict1)** where the keys are numbers between 1 and 10 (both included) and the values are square of keys.
2. Below are the two list convert it into a dictionary **(name: dict2).**

Keys = [‘One’, ‘Two’, ‘Three’, ‘Four’, ‘Five’]

Values = [10, 20, 30, 40, 50 ]

1. Merge above two Python dictionaries (dict1 and dict2) into one (name: dict\_merg).
2. Considering a dictionary (dict1), write a Python script to check whether a given key (taking as any input) already exists in a dictionary or not (use if/else conditions).

Output will be like:

Key is present in the dictionary. OR

Key is not present in the dictionary

1. Create a new dictionary by extracting the following keys from a given dictionary sample

Dict = { "name": "Kelly", "age":25, "salary": 8000, "city": "New york" }

Keys to extract: keys = [‘name’, ‘salary’]

Expected output:

{'name': 'Kelly', 'salary': 8000}

1. Delete set of keys from Python Dictionary and keys To Remove = ["name", "salary"]
2. Display the cube of the number up to a given integer.
3. Display -10 to -1 using for loop.
4. Check if a value 200 exists in a dictionary.

sampleDict = {'a': 100, 'b': 200, 'c': 300}

1. Print First 10 natural numbers using while loop. Print the following pattern

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5