Practice_set 05

Python Notes by Wahab

Practice probem

1. write a python progam to create a dictionary inside another dictionary and update it by adding key values.

2. create a python dictionary and print it value than keys and both keys value.

3. You are given two sets of student names. The first set, `math_students`, contains the names of students enrolled in a math course, and the second set, `physics_students`, contains the names of students enrolled in a physics course.

- Find and print:

    - Students enrolled in both courses (intersection).

    - Students enrolled in only one course (symmetric difference).

    - All students enrolled in either of the courses (union).

4. S = {} ,
   waht will be the type of `S`.

5. create an empty dictionary and allow five student to add there grade in dictionary and use their name as a key and add grade as a value

6. if two student have same name in probelm 5 than what happend ?

7. if two student have same grade than what will happend ?

8. Create an empty set name :

- MYset = set()

    - Add elements of different data types to the set, including integers, floats, strings, and tuples.

    - Attempt to add a list to the set and observe the result. Explain why a `TypeError` occurs.

    - Try modifying any mutable element in the set (if possible) and explain why it is or isn't allowed.

    - Finally, print the set and summarize the changes mad.