**Python Quiz 1:**

**1)** With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that is an integral number between 1 and n (both included). and then the program should print the dictionary.

Example -

Input -

8

Output -

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

**2)** Write a Python program which accepts a string which contains the first name and last name separated by comma. Print full name on the screen, where first name should be in upper case and last name in lower case and with a space between them.

Input -

Ravi,Srivastava

Output -

RAVI srivastava

**3)** Write a program to check if the age of a student stored in a tuple is greater than 20 or not.

The data stored in the tuple called “student” is the format name, age, qualification, city and values are “Jai”, 20, “Btech”, “Noida”.

Write the code to check the condition -

if the age is greater than 20 print “You are qualified” else print “You are not qualified”

**4)** A website requires the users to input username and password to register. Write a program to check the minimum length of password is 6 and maximum length is 15.

Print appropriate messages for each condition.

Example -

If the following passwords are given as input to the program:

**Password - Message**

ABd1234@1 – Password is okay

abc – Password is too short

MyPasswordIsVeryVeryVeryLong – Password is very long

**5)** Write a Python program to create the multiplication table (from 1 to 10) of a number.

Expected Output:

Input a number: 6

6 x 1 = 6

6 x 2 = 12

6 x 3 = 18

6 x 4 = 24

6 x 5 = 30

6 x 6 = 36

6 x 7 = 42

6 x 8 = 48

6 x 9 = 54

6 x 10 = 60

**Python Quiz 2:**

**Problem -**

In a company named XYZ, employee data is recorded in a spreadsheet called “employee\_list.csv”. Few more people have joined this company and their data is stored in a file “new\_records.csv”. This data has to be added in the “employee\_list.csv” based on following condition -

1) The format of “employee\_list.csv” is

employee code, first name, last name, home city, age, current city

2) The format of “new\_records.csv” is

employee code, full name, home city, age, current city

3) The employee code column in “new\_records.csv” is prefixed by a three digit code related to type of employee as defined below

emp – for permanant employees

other than emp – for contractual and other type of employees

4) Add only the permanant employees in the employee\_list.csv

5) Create a new separate file for the contractual and other type of employees, file name will be “contractors\_list.xlsx”

6) the employee code recorded in the employee\_list.csv will be only integer, you need to remove chracter prefixed to the employee code

7)handle the file and number-type exceptions whereever appropriate

**Attachment given below** – new\_records.csv and employee\_list.csv