

# SKiLLENABLE

## Python Assessment 1

### Q1.

You have seen how powerful dictionary data structure is.

In this assignment, given a number **n**, you have to write a program that generates a dictionary **d** which contains (**i,i\*i**), where **i** is from **1 to n (both included)**.

Then you have to just print this dictionary **d**.

#### Example:

Input: 4

will give output as

{1: 1, 2: 4, 3: 9, 4: 16}

#### Input Format:

Take the number **n** in a single line.

#### Output Format:

Print the dictionary **d** in a single line.

#### Example:

Input:

8

Output:

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

### Q2.

You have also seen how list slicing is performed in python.

In this program, create a list of numbers from 1 to 50 named **list\_1**. The numbers should be present in the increasing order: Ex **list\_1 = [1,2,3,4,5,....,50]**

i.e. index zero should be 1, index one should be 2, index two should be 3 and so on.

Given an input of two numbers, let's say **a** and **b**, you have to print the numbers returned by the following command

**list\_1[a:b]**

#### Input:

The first line of input contains two numbers **a** and **b** separated by a space.

NOTE: You can take two inputs in a single line using the following command:

**a, b = input().split()**

Make sure you convert the strings in **a** and **b** into integers using the **int()** command

#### Output:

Print the numbers in new line

**The answers can be submitted in a word document/ipynb file format.**