



## Session 2

### Assignment 1 Question

# *Session 2: Assignment 1*

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## 1. Introduction

This assignment will help you to consolidate the concepts learnt in the session.

## 2. Problem Statement

1. Write a program which accepts a sequence of comma-separated numbers from console and generate a list.
2. Create the below pattern using nested for loop in Python.

```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

3. Write a Python program to reverse a word after accepting the input from the user.

### Sample Output:

Input word: AcadGild

Output: dilGdacA

4. Write a Python Program to print the given string in the format specified in the **sample output**.

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN,  
SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC and to secure to all its citizens

**Sample Output:**

WE, THE PEOPLE OF INDIA,  
    having solemnly resolved to constitute India into a SOVEREIGN, !  
        SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC  
            and to secure to all its citizens

**NOTE: The solution shared through Github should contain the source code used and the screenshot of the output.**

### 3. Output

N/A