



## Session 1

### Assignment 1 Question

# *Session 1: Assignment 1*

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## 1. Introduction

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

## 2. Problem Statement

### Task 1:

1.

Install Jupyter notebook and run the first program and share the screenshot of the output.

[LINK](#)

2.

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.

3.

Write a Python program to accept the user's first and last name and then getting them printed in the reverse order with a space between first name and last name.

4.

Write a Python program to find the volume of a sphere with diameter 12 cm.

Formula:  $V = \frac{4}{3} * \pi * r^3$

## Task 2:

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