LIET – 30 Days In-campus Training
Subject – Data Science with AI & ML

Assignment 1: 9th February, 2026
Topic – Data Science

Assignment 1:

1. Write a Python script that accepts a number from the command line and checks whether it is prime. Explain how command-line arguments are accessed.

2. Write a program using different data types to demonstrate the difference between 'is' and '=='. Explain the output.

3. Write a program that iterates through a list, skips negative numbers, stops execution at zero, and handles non-integer values using exception handling.

4. Using a single list comprehension, generate a list of squares of numbers from 1 to 20 that are divisible by both 2 and 5.

5. Write a user-defined function that returns the largest and smallest values from a list without using built-in functions.

Note: This assignment is meant strictly for your own learning and practice. Students are advised **not to copy answers from any website or online platform**. Attempt all questions independently to gain maximum understanding.

Assignment submission form link - https://forms.gle/8g4syja6vDjaq92X8