National University of Computer and Emerging Sciences

Lab Exercise 05
DL2001-Introduction to Data Science Lab

Course Instructor	Ms. Mariam Nasim
Lab Instructor(s)	Ms. Rida Amir
Section	BDS-3A
Semester	Fall 2025

Department of Data Science

FAST-NU, Lahore, Pakistan

Exercise

Write a Python script that does the following:

1. Fetches the faculty page at: https://lhr.nu.edu.pk/faculty/

2. Parses the HTML using Beautiful Soup.

3. Extracts data for every faculty member listed under *all departments* on that page.
   For each faculty member, extract the following fields:
   - Employee ID (can be extracted from profile URL)
   - Name (e.g. "Dr. Kashif Zafar")
   - Designation (e.g. Professor, Associate Professor, Lecturer, etc.)
   - Department (which department they are listed under, e.g. FAST School of Computing, Electrical Engineering, Civil Engineering, FAST School of Management or Sciences & Humanities)
   - Email address (e.g. kashif.zafar@nu.edu.pk)
   - Extension
   - Image URL (e.g. https://lhr.nu.edu.pk/media/Faculty/Kashif_Zafar-removebg-preview.png)
   - Extra status flags (if present), for example:
     - Whether they are a *PhD Approved Supervisor*
     - Whether they are *On Leave*

4. Store the scraped data in a CSV file called 'faculty_lhr.csv'.

5. After scraping, provide a summary:
   - How many faculty members there are in each department.
   - How many faculty members overall have *PhD Approved Supervisor* status.
   - How many are currently *On Leave*.
   - Count the number of faculty members for each designation.

Submit the csv along with your .ipynb file renamed with your roll number.