

# Assignment 1

**Note:** Write Q1, Q2, and Q3 in handwritten form on A4 sheets and submit the file

**AIT:**

**Group G1 Dead Line:** 6 Feb 2026

**Group G2 Dead Line:** 4 Feb 2026

## **Ques 1:**

As a DBA in a financial enterprise, compare role-based access control with user-based privilege assignment. Which scales better and why?

## **Ques 2:**

Design a 3-tier architecture for a Wealth Management System. Explain security enforcement at each tier.

## **Ques 3:**

Explain the ANSI-SPARC three-level architecture with a neat diagram. How does it help in achieving logical and physical data independence?

## **Ques 4:**

<https://leetcode.com/problems/the-latest-login-in-2020/description/>

## **Ques 5**

<https://leetcode.com/problems/article-views-i/>

