Name: Ishu Goyal   **Student ID:002639391**
Course: CSC6710 - Database Systems

Assignment - 2

- **Define intension and extension of a database?**
  - The set of definitions and descriptions of the database is known as the intension of the database. It is also known as schema.
  - The data values inside the database are known as the extension of database. It is also known as database state

- **What do you understand by record-at-a-time and set-at-a-time/set-oriented DMLs?**
  - Low-level DMLs can specify and retrieve each record from a set of records therefore they are known as record-at-a-time DMLs.
  - High-Level DMLs can specify and retrieve many records in one single DML statement therefore, they are known as set-at-a-time or set-oriented DML's

- **What is DDBMS? Explains its types.**
  - DDBMS stands for distributed DBMS. It manages several databases hosted at diversified locations and interconnected through computer networks.
  - Types:
    - Homogeneous: All sites use identical DBMS and OS. Each site is aware of other sites and corporates with other sites to process user requests.
    - Heterogeneous: All sites use different DBMS, OS. Here each site might not be aware of other sites. So, there is limited cooperation in processing user requests.