Assignment 11

1. Determine each of following software is system software or application software.[2 points]

   a) g++   b) DataGrip

   c) PowerPoint   d) Chrome

   e) Ubuntu   e) Zoom

2. Determine following statement is **True** or **False**. [2 points]

   a) A database management system is a software system running on a computing system that provides a systematic approach to manage the information stored in a database and control access to the database.

   b) A database system consists of a database and a database management system managing it.

3. Which one is not function of DBMS? [2 points]

   A. Allow users to create/define new DBs and specify their schemas.

   B. Allow users and application programs directly manipulate the database.

   C. Support the storage of very large amounts of data and efficient access.

   D. Enable the recovery of the DB in face of failures, errors, or intentional misuse.

   E. Prevent unauthorized users accessing the data base.

4. Sketch 5 advantages of file-based systems. [2 points]

5. Describe the main difference the two-tier architecture and the three-tier architecture of database application. [2 points]