Assignment - SQL

1. Given four types of attributes related to a student, which of the following should be used as a Primary Key?
   a) Student Name
   b) Student ID
   c) Student City
   d) Department Name

2. Let's assume you have a 'customers' table with the following columns:

   - customer_id
   - first_name
   - last_name
   - gender
   - email_id
   - address

Which of the following will be the optimal data type for the 'gender' column, considering that the value has to be either 'M' or 'F'?

   a) VARCHAR(1)
   b) CHAR(1)
   c) CHAR(2)
   d) TEXT(1)

3. Which of the following is not a database management system?

   a) Oracle
   b) MySQL
   c) BigQuery
   d) SQLite

4. Which of the following type of Key is used to create relationships between two tables?

   a) Foreign Key
   b) Primary Key
   c) Candidate Key
   d) Composite Key

6. Where is data warehousing typically used?

   a) Transaction Systems
   b) Logical Systems
   c) Analytics & Reporting Systems
   d) None of the above