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In [ ]:  """
         Que 1-What is a database? Differentiate between SQL and NoSQL databases.

         Ans 1-A database is an organized collection of structured information, or data, typically stored electronically
         in a computer system.

         SQL and NoSQL differ in whether they are relational (SQL) or non-relational
         (NoSQL), whether their schemas are predefined or dynamic, how they scale, the
         type of data they include and whether they are more fit for multi-row
         transactions or unstructured data


         Que 2-What is DDL? Explain why CREATE, DROP, ALTER, and TRUNCATE are
         used with an example.
         Ans 2-DDL statements are similar to a computer programming language for defining data structures,
         especially database schemas

         Create-It enables the user account to create databases and tables

         Drop-It enables the user account to drop databases and tables


         Alter-The ALTER TABLE statement is used to add, delete, or modify columns in an
         existing table

         Truncate -are used to delet the data from the table



         Que 4-Q4. What is DQL? Explain SELECT with an example.
         Ans 4-Data query language is part of the base grouping of SQL sub-languages

         An SQL SELECT statement retrieves records from a database table according to
         clauses (for example, FROM and WHERE ) that specify criteria.

         Que 5-Explain Primary Key and Foreign Key.
         Ans 5-A relational database is designed to enforce the uniqueness of
         primary keys by allowing only one row with a given primary key value in a table

         Foreign key-
         A foreign key is a column or a set of columns in a table whose values
         correspond to the values of the primary key in another table.


         Que 6. Write a python code to connect MySQL to python. Explain the cursor()
         and execute() method.
         Ans 6-

         import mysql.connector
         mydb=mysql.connector.connect(
             host="localhost",
             user="abc",
             password="password"
         )
         print(mydb)
         mycursor=mydb.cursor()
         mycursor.execute("show Database")
         for x in mycursor:
           print(x)


         Cursor-
         The cursor is a visible and moving pointer that the user controls with a
         mouse, touchpad or similar input device such as a trackball.

         Execute method-
         The EXEC command is used to execute a stored procedure, or a SQL string passed to it.

         Que 7-Give the order of execution of SQL clauses in an SQL query.

         1.from/join

         2.WHERE

         3.Group By

         4.Having

         5.Select

         6.Order by

         7.Limit/offset

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