**HND - Database Design Fundamentals (DV6E 34) – Class Quiz**

Answer the following questions

1. What is a data dictionary?

2. What’s the difference between char and varchar data types?

3. What is the difference between a **Report** and a **Form** and when will you use each in DB operation?

4. What is the use of the foreign key?

5. Why are different views of data made available to users in a database?

6. State the different **Data Types** commonly used in DB design

7. Mention 4 common commercial RDBMS tools used by various organisations for data management and operations

8. What is the use of the primary key?

9. What does the term ‘Relation’ means in DB operations/design?

10. What are the benefits of a relational database compared with a flat file database?

11. Explain why a foreign key is also a primary key, but a primary key need not be a foreign key

12. What is a **Report**, and what are the key features?

13. What is the use of the foreign key?

14. What is the key difference between DBMS and RDBMS?

15. As a database design engineer, state the 3 most important factors you will consider regarding the choice of DB type you will recommend to your client.