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EE3350

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## Q1.

(i) CRUD is a type of programming interface used for graphics.

(ii) A primary key uniquely identifies each row in a table and ensures that no two records have the same value in that column.

(iii) [Answer could not be generated]

(iv) One-to-One, One-to-Many, Many-to-One, Many-to-Many, and Self-referencing relationships are the most common types.

(v) Good schema design ensures scalability and performance by using normalization, indexing, naming conventions, and access control practices.

## Q2.

(i) Sequelize lets Node.js connect with databases without SQL, kind of like using models.

(ii) JWTs are codes used to check user after they login; they stay on the client side.

(iii) Middleware is some functions that do things in the middle of request and response.

(iv) GET = Read, POST = Create, PUT = Replace, PATCH = Update, DELETE = Remove. These map to DB operations accordingly.

(v) Authentication checks who the user is; authorization decides what they can do but both often mixed up.