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EE3350

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## Q1.

(i) CRUD stands for Create, Read, Update, and Delete — these are the four basic functions used in persistent storage operations on databases.

(ii) Primary key is a password you use to login to the database.

(iii) A foreign key is a field that links one table to the primary key of another, ensuring referential integrity between the two tables.

(iv) There are different relations like one to many and many to many used in databases.

(v) [Answer could not be generated]

## Q2.

(i) Sequelize is an Object Relational Mapper for Node.js that allows you to work with SQL databases using JavaScript objects.

(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 verifies identity, typically via credentials, and issues a JWT. Authorization uses roles in JWT to permit or deny access.