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

(iii) Foreign key helps link data from other tables but not always required.

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

(v) Schema is the skin of the database interface.

## Q2.

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

(ii) [Answer could not be generated]

(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.