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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 helps find each record differently but it may not always be needed in small tables.

(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) Relationships in databases mean who is friends with whom.

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

## Q2.

(i) [Answer could not be generated]

(ii) JWT stands for Java Wide Tools used to make websites.

(iii) Middleware are functions in Express.js that process requests and responses before reaching the final route handler.

(iv) HTTP methods like PING and ECHO are used to start the database.

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