# Index Number: EG/2020/4009

EE3350

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## Q1.

(i) [Answer could not be generated]

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

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

(v) Designing a schema helps organize data but often people just put things in one table.

## 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 secure tokens issued after login containing encoded user data that allow stateless authentication in web apps.

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

(iv) GET and POST are used a lot; they help get and send data in REST APIs.

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