1. What are the main phases in the database design? What is done on each development phase?

Answer: the main phases are the conceptual design, the logical design and the physical design. Conceptual data modeling:

* Develops preliminary conceptual data model
* Compares preliminary conceptual data model with enterprise data model
* Develops detailed conceptual data model

Logical database design:

* Transforms conceptual data model into relations
* Normalization

Physical database design:

* Specifies the organization of physical records, the choice of fire organizations, and the use of indexes

1. What is the entity – relationship (ER) data model?

Answer: Entity – relationship data model is a high – level data model that defines data elements and their relationship for a specified software system.

ID

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STUDENT

Number of rooms

NAME

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1. One – to – many relationship
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1. Many – to – one relationship

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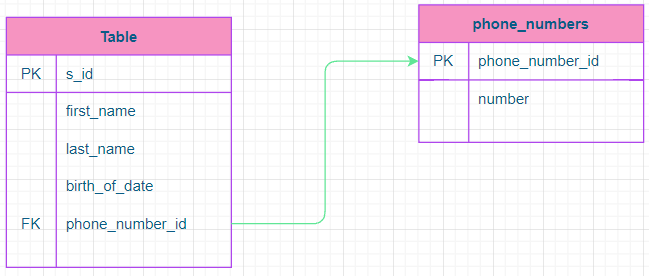
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1. a)

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