

- A user must select a unique username and enter a valid email address to create an account. All users must be over the age of 16. A new quiz is given to the users every day. Each quiz is stored in its own text file.

(a) Create a 3-table design for this database normalised to Third Normal Form (3NF).

TableName(PrimaryKey, Field1, Field2, ...)

[6]

- Describe what is meant by the following DBMS features:

Data dictionary

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Logical schema

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- The database `FARMING` has a table named `EVENT` which is shown with some sample data.

PlayerID	EventID	Category	Points
000123	3	Build	100
000124	1	Grow	36
000123	4	Grow	22
000123	7	Create	158
000125	3	Grow	85
000125	4	Build	69

- The field `PlayerID` in `EVENT` needs to be set up as a foreign key to `PlayerID` in `PLAYER`.

Write a Structured Query Language (SQL) script to change the table definition for `EVENT` to link the foreign key to `PLAYER`.

..... [2]

- (ii) Write an SQL script to return the number of events that each player has completed.

[3]