big data quiz 1

wbg231

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1 Introduction

- a table in a relational database must have exactly one index

- that is false there are foreign keys

- each table in a relational database must have a primary key

- this is false (i am not sure the purpose of not having a primary key but that is something you can do)

- in a relational data base a primary key value must be unique across all tables in the database

- i think false, just has to be true when you join like one user can have multiple songs they like in recommender systems

Question 4

Given the following table of character data:

Name	Occu
Fanny	Protagonist
Henry	Nobleman
Edmund	Clergyman
Mary	Lady
Sir Thomas	Landowner

Define a schema for this data using the notation "TableN

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- characters(name: STR, occupation : str, gender : STR, Height: int)

Question 5

Suppose you are given a relational database with the follow

Robot:

Name	Model
R2-D2	1234
C-3PO	2345
BB-8	3456
...	...

Function:

Name	Functio
R2-D2	Navigat
C-3PO	Protoco
BB-8	Cleanin
...	...

Write a query to find the number of robots manufactured b function related to cleaning.

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- select count(names) from robot left join function on robot.name = function.name where function.function="Cleaning" group by robot.manufacturer

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