

Attempt 1

 NEXT UP: Review Feedback

Offline Score:  
N/A

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2 Attempts Allowed  
21/10/2024 to 29/11/2024

Details

You will be expected to utilise your knowledge of creating SQL databases.

Picking any topic of your choice, you will generate a database using the SQLite software.

The database will contain at least 7 columns, where at least one column has nominal data, at least one has ordinal data, at least one has interval data and at least one has ratio data. At least one table should have 1000 rows or more. Extra marks will be awarded for the utilisation of foreign and compound keys across multiple tables. Randomised data covering all appropriate data types will be further rewarded. The more realistic a database, the better.

You will submit a PDF report (no page limit, but keep it succinct and to the point) with screenshots/pasted code about:

- A. How you generated the data (do not download other people's data).
- B. The schema of your database (graphical or textual is fine).
- C. Your justification for any separate tables (including any constraints on any attributes) and an ethical/data privacy discussion.

As ever, you are reminded that this is an **individual** assignment, i.e. no collusion/plagiarism/generative AI is allowed. Any submissions deemed to be the result of these academic misconduct offences will have a grade of 0 will be issued.

View Rubric

SQL Assessment						
Criteria	Ratings					Points
Database Realism <a href="#">view longer description</a>	4 pts	3 pts	2 pts	1 pts	0 pts	/ 4 pts
	Full marks	High Marks	Pass	Unsatisfactory	No marks	
	Both duplicate and missing data has been specifically and deliberately inserted into the database. The amount of missing/duplicate data is realistic.	Duplicate and/or missing data has been specifically and deliberately inserted into the database.	It is possible, from randomisation, appropriate columns could have duplicate or missing values.	The data will appear mostly realistic, e.g. logical names, email address, prices, etc.		
Database Schema <a href="#">view longer description</a>	4 pts	3 pts	2 pts	1 pts	0 pts	/ 4 pts
	Full marks	Good	Pass	Unsatisfactory	No marks	
	There are multiple tables within the database, at least one which	There are multiple tables within the database, at least one which	There are multiple tables within the database, at least one which	There is a single table within the database. Alternatively,		

## SQL Assessment

Criteria	Ratings					Points
	contains the requisite number of rows. Each attribute has sensible constraints. The database is highly realistic, with different sized tables and a range of meaningful constraints.	contains the requisite number of rows. Each attribute has sensible constraints.	contains the requisite number of rows.	there are multiple tables but none with the requisite number of rows.		
	<b>4 pts</b> <b>Full marks</b> Students will have satisfyingly justified their choice of tables. There is a good discussion on ethics and data privacy.	<b>3 pts</b> <b>High Marks</b> Students will have satisfyingly justified their choice of tables. There is some discussion on ethics and data privacy.	<b>2 pts</b> <b>Good</b> Students will have satisfyingly justified their choice of tables.	<b>1 pts</b> <b>Unsatisfactory</b> Students will have discussed their choice of tables, but there will be some aspects of their justification which is lacking.	<b>0 pts</b> <b>No marks</b>	
Report Justification <a href="#">view longer description</a>						/ 4 pts
	<b>3 pts</b> <b>Full marks</b> Spelling, grammar and structure is at a high quality.	<b>2 pts</b> <b>High Marks</b> Spelling, grammar and structure is of a good quality.	<b>1 pts</b> <b>Unsatisfactory</b> Spelling, grammar and structure is of a lower quality.	<b>0 pts</b> <b>No marks</b>		
Report Quality <a href="#">view longer description</a>						/ 3 pts
	<b>4 pts</b> <b>Full marks</b> All data types are represented, with appropriate values assigned. Data will have been randomly created within sensible ranges and be as realistic as possible.	<b>3 pts</b> <b>Good</b> All data types are represented, with appropriate values assigned.	<b>2 pts</b> <b>Pass</b> All data types are represented.	<b>1 pts</b> <b>Unsatisfactory</b> Most data types are represented.	<b>0 pts</b> <b>No marks</b>	
Data Types <a href="#">view longer description</a>						/ 4 pts
	<b>6 pts</b> <b>Full marks</b> There are multiple tables, connected via foreign keys. Composite keys	<b>4 pts</b> <b>Good</b> There are multiple tables, connected via foreign keys.	<b>2 pts</b> <b>Unsatisfactory</b> There are multiple tables, but they do not reference each other.	<b>0 pts</b> <b>No marks</b>		
Schema Links <a href="#">view longer description</a>						/ 6 pts

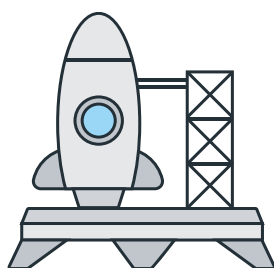
## SQL Assessment

Criteria	Ratings	Points
	are also present in some tables.	
		Total points: 0

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