DATABASE APPLICATIONS (240)

REGIONAL 2025

Production:

Job 1: Employee Table   _____ (100 points)

Job 2: Vehicle Table   _____ (90 points)

Job 3: Create a Permanent Relationship   _____ (20 points)

Job 4: Vehicle Type Query   _____ (60 points)

TOTAL POINTS   _____ *(270 points)*

Graders: Please double check and verify all scores and answer keys!

GENERAL GUIDELINES:
Failure to adhere to any of the following rules will result in disqualification:
1. Member must hand in this test booklet and all printouts if any. Failure to do so will result in disqualification.
2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests (handwritten, photocopied, or keyed) are allowed in the testing area.
3. Electronic devices will be monitored according to ACT standards.

EXAM GUIDELINES:
1. Ensure this test booklet contains Jobs 1-4.

2. Key all jobs according to the instructions given.

3. Correct all formatting, spelling or grammar errors. Use the formatting guide in the *Style & Reference Manual*.

4. Your name or initials should *not* appear on any work you submit. Use your Member ID on   any occasion you would normally key your reference initials.

5. If you complete the event before the end of the time allotted, notify the proctor. Time may be considered a factor in determining a winner when there is a tie score.

6. Place your scoring sheet on top of your jobs. Jobs should be placed in numerical order.

SCORING RUBRIC

	Points Possible	Points Earned
Job 1 – Employee Table		

Designed as instructed.
    10 points off per field for inaccurate field names, inappropriate data types, and properties not set as instructed.
    Grader Note: Information found on the screenshot document.
	70	

Production standards
    0 Errors = 10 points, 1 error =9 points, 2 errors = 7 points,
    3 = 5 points, 4+ errors = 0 points
	10	

Sorted by Hire Date (descending)	10	
Printed or uploaded in portrait orientation (all data shows, 1 page)	10	
Subtotal	**100**	
Job 2 – Vehicle Table		

Designed as instructed.
    10 points off per field for inaccurate field names, inappropriate data types, and properties not set as instructed.
    Grader Note: Information found on the screenshot document.
	60	

Production standards
    0 Errors = 10 points, 1 error =9 points, 2 errors = 7 points,
    3 = 5 points, 4+ errors = 0 points
	10	

Sorted by Vehicle Num (ascending)	10	
Printed in landscape orientation, 1 page, all fields fully visible	10	
Subtotal	**90**	
Job 3 – Create a Permanent Relationship		
Relationship created	10	
Printed with both tables fully visible	10	
Subtotal	**20**	
Job 4 – Vehicle Type Query		
Correct fields are visible: Last Name, First Name, Vehicle Make, Vehicle Model (5 points off for each missing field)	20	
Sorted by Last Name (ascending)	10	
Results show design correctly joins both tables (no extra records)	20	
Printed in portrait orientation, 1 page, all fields fully visible	10	
Subtotal	**60**	
Total Points Earned	**270**	

Printout 1: Employee Table

Employee Table Design View

Vehicle Member ID ✕	Vehicle Type Query Member ID ✕
Field Name	**Data Type**
Employee ID	Short Text
Last Name	Short Text
First Name	Short Text
DL Nuber	Number
Hire Date	Date/Time
DOT Physical Due	Date/Time
Vehicle Num	Number

Note to Grader:
- Document will be found on the Screenshot document

Employee Datasheet View

Employee Member ID

Employee ID	Last Name	First Name	DL Nuber	Hire Date	DOT Physical Due	Vehicle Num
CEO1456	Wells	Nancy	101142748	3/18/2009	4/23/2024	218
HRD3401	Smith	Julie	104839103	4/14/2014	5/26/2024	225
ASD3021	Renick	Edna	104529483	10/21/2014	11/26/2024	213
FSD3920	Rosen	Harvey	104950293	5/21/2016	6/18/2024	229
MDK1045	Meyer	Roger	104549288	3/26/2018	3/26/2024	235
ITD3019	Carlson	Tom	106930583	11/3/2021	12/14/2024	224

Note to Grader:
- Sort by HireDate (descending)
- Landscaped

Printout 2: Vehicle Table

Vehicle Table Design View

Field Name	Data Type
Vehicle Num	Number
VIN Num	Short Text
Vehicle Year	Number
Vehicle Make	Short Text
Venicle Model	Short Text
Plate Number	Short Text

Note to Grader:
- Document will be found on the Screenshot document

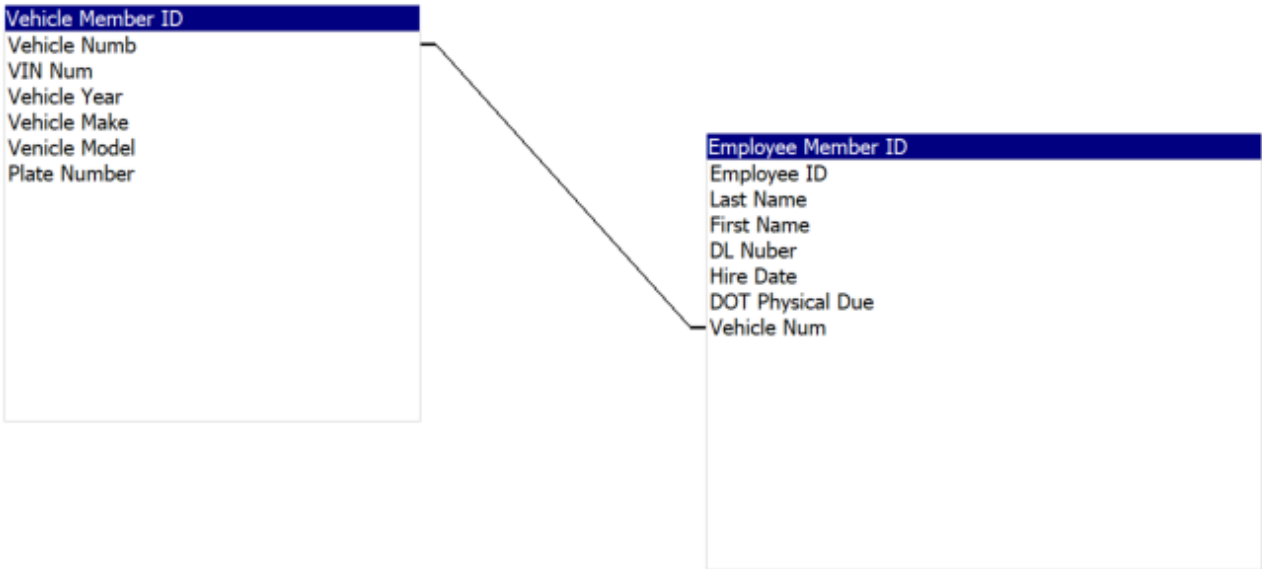**Vehicle Datasheet View**

Vehicle Member ID

Vehicle Num	VIN Num	Vehicle Year	Vehicle Make	Venicle Model	Plate Number
214	1HBH41JXMN109186	2019	GMC	Yukon	H23308
218	1HGBH41JXMN39186	2023	Ford	Focus	150908
224	JHLRD77874C026456	2022	Toyota	Camry	K54614
225	1GNCS1Z3M0115561	2023	Dodge	Challenger	H53507
229	1G1YZ23J9P5800001	2022	Hyundai	Sonata	YTE834
235	1G1YY25R695700001	2021	Nissan	Murano	139408

Note to Grader:
- Sort by VehicleNum (ascending)
- Landscaped

Printout 3: Relationship Report

Relationships for Answer Key - Regional Member ID
Saturday, July 27, 2024

Vehicle Member ID
Vehicle Numb
VIN Num
Vehicle Year
Vehicle Make
Venicle Model
Plate Number

Employee Member ID
Employee ID
Last Name
First Name
DL Nuber
Hire Date
DOT Physical Due
Vehicle Num

Printout 4: Vehicle Type Query

Vehicle Type Query Member ID

Last Name	First Name	Vehicle Num	Vehicle Make	Venicle Model
Carlson	Tom	224	Toyota	Camry
Meyer	Roger	235	Nissan	Murano
Rosen	Harvey	229	Hyundai	Sonata
Smith	Julie	225	Dodge	Challenger
Wells	Nancy	218	Ford	Focus

Note to Grader:
- Sort by LastName (ascending)
- Landscaped