

061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/05/6/A

DEMONSTRATE DATABASE MANAGEMENT SKILLS

NOV/DEC 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

PRACTICAL ASSESSMENT

TIME: 2 Hours

INSTRUCTIONS TO THE ASSESSOR:

1. You are required to mark the practical as the candidate performs the task.
2. You are required to take video clips at critical points.
3. Ensure that the candidate has a name tag and a registration code at the back and front.
4. Allocate **10** minutes for the candidate to identify and confirm the availability of the resources.
5. Candidate to perform the task as per the requirements.
6. Marks for each task are indicated.

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Id code			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
Assets to be evaluated:	Marks allocated	Marks obtained	Comments
TASK: SQL			
1. Created a folder named CDACCExAM. <i>(Award 1 mark for creating and naming the folder or 0)</i> 2. Launch a database program and create a database named "Customers" <i>(Award 1 mark for launching a database, and 2 mark for saving with the correct name or 0)</i>	1 3		
3. Created a table named Clients. <i>(Award 1 mark for correct table name, 1 mark for field names, and 1 mark for the data type)</i> <i>(Award 3 marks for created table or 0)</i>	3		
4. Inserted client's information <i>(Award 2 marks for each record posted on the table or 0)</i>	8		
5. Applied primary key for each table. <i>(Award 2 mark for primary key applied in the table or 0)</i>	2		
6. Retrieved the names of all Clients who are aged 25	3		

<i>(Award 3 marks for Retrieving or 0)</i>			
TOTAL	20		
7. Created table named Orders. <i>(Award 3 marks for creating the Order table with appropriate fields and data types, award 1 mark for defining the primary key)</i>	4		
8. Insert the records in the table. <i>(Award 2 marks for each record inserted)</i>	6		
9. Calculated the average total amount of orders <i>(Award 3marks for correct computation)</i>	3		
10. Retrieved the total number of orders placed by each Client <i>(Award 4 Marks for orders retrieved or 0)</i>	4		
11. Retrieved the customer's name, email, and the maximum total amount of orders placed by any Client. <i>(Award 2 marks for retrieval of customers name, 2 marks for email and 2 marks for maximum total amount of orders)</i>	6		
12. Updated the age of Clients who are from New City to 35 <i>(Award 4 marks for correct update or 0)</i>	4		
13. Deleted all Clients who have not placed any orders	3		

(Award 3 marks for correct deletion or 0)			
TOTAL	30		
Grand Total	50		
<p>The candidate was found to be: Competent <input type="checkbox"/> Not yet competent <input type="checkbox"/></p> <p>(Please tick as appropriate)</p> <p>(The candidate is competent if s/he gets 50% marks and above)</p>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	Date:		
Assessor's signature:	Date:		