061306T4CSC

COMPUTER SCIENCE LEVEL 6

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

Demonstrate Database Management Skills

Nov/Dec 2024

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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

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 FOUR tasks as per the requirement of each.
6. Marks for each task are indicated.
7. For shared resources clear the Computer off the previous candidates work

Candidate's name & Registration No.	
Assessor's name & Reg. code	
Venue of Assessment	
Date of assessment	

(Indicate the marks available and marks obtained respectively. Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)

Items to be evaluated:	Marks Allocated	Marks Obtained	Comments
TASK 1: Creating a Database			
a) Launched the Ms SQL server successfully *(Award 2 marks or zero)*	2		
b) Created the "*Bird*" database *(Award 2 marks or zero)*	1		
c) Created the "*employee*" table with attributes; - EmployeeID - FirstName - LastName - DateOfBirth - Gender - DepartmentID *(Award 1 mark for each attribute, or zero, max 6 attributes)*	6		
d) Set the EmployeeID as the table's Primary Key *(Award 1 mark for each, or zero)*	1		
e) Created the "*Department*" table with attributes; - DepartmentID - DepartmentName *(Award 1 mark for each attribute)*	2		

f) Created the "*Work*" table with attributes;
 	
   - EmployeeID
 	
   - Hours
 	
   - Rate
 	
(Award 1 mark for each attribute, or zero)
	3		

TOTAL	**15**		
TASK 2: Adding Data to the database			
a) Added records to the Employee table *(Award 1 mark per record, max 5 marks or* *zero)*	5		

b) Added records to the Department table
 	
    (Award 2 marks if all records are entered, or
    zero)
	2		

c) Added records to the Work table *(Award 3 marks if all records are entered)*	3		
TOTAL	**10**		
TASK 3: Querying Database			
a) Retrieved the names of employees in marketing department *(Award 3 marks or zero)*	3		
b) Retrieved information from the database that contains EmployeeID, EmployeeName, Department, and Gross pay *(Award 4 marks or zero)*	4		
c) Generated a list of employees that includes EmployeeID, EmployeeName, Gross pay, Tax Paid, Net pay *(Award 5 marks or zero)*	5		
d) Generated a list of all employees whose last name contain letter "a". *(Award 2 marks or zero)*	2		

e) Saved screenshots in folder *(Award 1 mark or zero)*	1		
TOTAL	**15**		
TASK 4: Creating Indexes and Procedures			
a) Created an index on the FirstName column of the Employee table *(Award 4 marks or zero)*	4		
b) Wrote a stored procedure named Salary that accepts an EmployeeID and returns hours worked, rate, and gross pay for that employee *(Award 6 marks or zero)*	6		
TOTAL	**10**		
GRAND TOTAL	**50**		

ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐   **Not yet competent** ☐

(Please tick as appropriate)

*(**The candidate is competent if s/he gets 50% or higher of the items of evaluation correct**)*

Feedback from candidate:

Feedback to candidate:

Candidate's signature:	**Date:**
Assessor's signature:	**Date:**

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