

**061006T4ICT**  
**ICT TECHNICIAN LEVEL 6**  
**IT/OS/ICT/CR/7/6**  
**MANAGE DATABASE SYSTEMS**  
**JULY/ AUGUST 2023**



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

**OBSERVATION CHECKLIST**

**TIME: 3 HOURS**

**INSTRUCTIONS TO THE ASSESSOR**

1. In this practical assessment, the candidate is required to perform the following task  
**TASK 1:** Design a database using MS access (10 Marks)  
**TASK 2:** Perform SQL commands using the Students table created in Task 1 (15 Marks)  
**TASK 3:** Perform the following activities in student database. (25 Marks)
2. You are required to mark the practical as the candidate performs the tasks.
3. You are required to take video clips at critical points.
4. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code.

## OBSERVATION CHECKLIST

<b>Candidate's Name</b>			
<b>Candidate's Registration Code</b>			
<b>Assessor's Name</b>			
<b>Assessor's Registration Code</b>			
<b>Unit(s) of competency</b>			
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks available</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>Task 1:</b> Designed a database using MS access			
<ul style="list-style-type: none"> <li>Included the following fields; first name, last name, phone number, D.O.B, course, county of birth, gender, department, enrolment date, entry grade, next of kin, number of units required for enrolment.</li> <li>Selected the right data types were.</li> <li>Inserted at least 20 names of students from your institution</li> <li>saved the database as Student table</li> </ul> <i>(award marks as indicated =10)</i>	<p style="text-align: center;">3</p> <p style="text-align: center;">3</p> <p style="text-align: center;">3</p> <p style="text-align: center;">1</p>		
<b>Sub total</b>	<b>10</b>		
<b>Task 2:</b>			
Performed SQL commands using the Students table created in Task 1 <ul style="list-style-type: none"> <li>Displayed all the male students</li> <li>Changed the phone number studentID 14 to 0112378999</li> </ul>	<p style="text-align: center;">5</p> <p style="text-align: center;">5</p> <p style="text-align: center;">5</p>		

<ul style="list-style-type: none"> <li>Deleted the next of kin field</li> </ul> <p><i>(Award marks for each item as indicated=15)</i></p>			
<b>Sub total</b>	<b>15</b>		
<b>Task 3:</b>			
Performed database activities in student database <ul style="list-style-type: none"> <li>Displayed all students in ICT course.</li> <li>Displayed all students Fname in ascending order.</li> <li>Displayed all students sorted by the course column.</li> <li>Listed the number of students in department.</li> <li>Listed all students with a NULL value in the “Address” field.</li> <li>Displayed all students who were enrolled in computer science course in 2022</li> </ul> <p><i>(Award marks for each item as indicated=25)</i></p>	4 4 4 4 5 4		
<b>Sub total</b>	<b>25</b>		
<b>Total marks</b>	<b>50</b>		
<b>ASSESSMENT OUTCOME</b>			
<p><b>The candidate was found to be:</b></p> <p style="text-align: center;">Competent <input type="checkbox"/> Not yet competent <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><b><i>(The candidate is competent if s/he gets at least 50% and above)</i></b></p>			
<b>Feedback from candidate:</b>			
<b>Feedback to candidate:</b>			
<b>Candidate’s Signature</b>		<b>Date</b>	
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<b>Assessor’s/ verifier’s signature</b>		<b>Date</b>	
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