

061006T4ICT
ICT TECHNICIAN LEVEL 6
IT/OS/ICT/CR/10/6
DEVELOP COMPUTER PROGRAM
July/August 2024



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

PRACTICAL TOOL ASSESSOR'S GUIDE

TIME: 3 HOURS

INSTRUCTIONS TO ASSESSOR

1. The candidate should be provided with: A working computer installed with
 - i. Java compiler
 - ii. C compiler
 - iii. Notepad ++
2. Assess the candidate as the practical progresses observing the critical areas
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

This guide consists of THREE (3) printed pages.

Assessor should check the guide to ascertain that all pages are printed as indicated

OBSERVATION CHECKLIST

| | | | |
|--|---------------------------------|-----------------------|-----------------|
| Candidate's Name | | | |
| Registration No. | | | |
| Assessor's Name | | | |
| Registration No. | | | |
| Unit(s) of Competency | Develop Computer Program | | |
| Venue of Assessment | | | |
| Date of assessment | | | |
| Items to be evaluated: <i>(Award appropriate marks for each item evaluated)</i> | Marks available | Marks obtained | Comments |
| TASK 1 - Java | | | |
| 1. Used the correct software's to perform the tasks. <i>(Award 1 mark for correct software, otherwise zero)</i> | 1 | | |
| 2. Created a class ATM <i>(Award 3 marks if created, otherwise zero)</i> | 3 | | |
| 3. Created main method <i>(Award 2 marks if created, otherwise zero)</i> | 2 | | |
| 4. Declared variables <i>(Award 2 marks if declared, otherwise zero)</i> | 2 | | |
| 5. Created scanner class object to get user choice <i>(Award 3 marks if created, otherwise zero)</i> | 3 | | |
| 6. Got choice from user and declared variables <i>(Award 4marks if declared, otherwise zero)</i> | 4 | | |
| 7. Got withdraw money from user and checked balance greater than withdrew amount <i>(Award 6 marks if done, otherwise zero)</i> | 6 | | |
| 8. Removed withdrew amount from total balance and displayed message on status <i>(Award 6 marks if done, otherwise zero)</i> | 6 | | |
| 9. Got deposit from user and updated account <i>(Award 6 marks if done, otherwise zero)</i> | 6 | | |
| 10. Exit from the menu | 2 | | |

| | | | |
|---|--|--------------|--|
| <i>(Award 2 marks if done, otherwise zero)</i> | | | |
| Sub total | 35 | | |
| TASK 2 – C Compiler | | | |
| 11. Used the correct software's to perform the tasks. <i>(Award 1 mark for correct software, otherwise zero)</i> | 1 | | |
| 12. Declared variables <i>(Award 2 marks for declaration, otherwise zero)</i> | 2 | | |
| 13. Used array <i>(Award 2 marks if used, otherwise zero)</i> | 2 | | |
| 14. Generated input/output statement <i>(Award 2 marks for each input/output statements, otherwise zero)</i> | 2 | | |
| 15. Used a for loop <i>(Award 5 marks if done correctly, otherwise zero)</i> | 5 | | |
| 16. Computed the average <i>(Award 2 marks if done, otherwise zero)</i> | 2 | | |
| 17. Displayed the results <i>(Award 1 mark if done, otherwise zero)</i> | 1 | | |
| Sub total | 15 | | |
| Total marks | 50 | | |
| The candidate was found to be: (Please tick (√) as appropriate) | | | |
| Competent <input type="checkbox"/> | Not yet competent <input type="checkbox"/> | | |
| <i>The candidate is competent if they score 50% of total marks</i> | | | |
| Feedback from candidate: | | | |
| Feedback to candidate: | | | |
| Candidate's signature: | | Date: | |
| Assessor's signature: | | Date: | |

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