061005T4ICT

ICT TECHNICIAN LEVEL 5

ICT/OS/IT/CR/5/5

DEVELOP A COMPUTER PROGRAM

July /Aug 2023

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

PRACTICAL ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. You will be required to perform **TWO** practical tasks.

2. Create a folder on the desktop called CDACC.

3. You have the first **10 minutes** to carefully read through the instructions and to collect the tools/resources required for the task.

4. The assessor will record your performance at critical points using audio-visual means.

5. Create a backup of your work on the CD-RW provided.

You are been provided with the following resources:

1. A working computer installed with html editor,

2. Webpage editor and C language editor.

TASK 1 - In this task you are required to develop a single-page website using Hypertext Markup Language (HTML) and any other suitable language. The webpage should contain the following features: (30 Marks)

a) Create blank webpage and name it "KenysCourse"

b) Set the width of the of the display page to 80% relative to the screen

c) A title of " index-page"

d) A header of " Welcome To Kenya Course Survey"

e) A sub header of " welcome " which moves from left to right

f) A horizontal arranged hyperlinks of :

   i. Home

   ii. Activities

   iii. About

   iv. Contact Us

g) An input data entry form with the following features:

   i. A title of " Survey input form" bold and underlined with size 6 of header

   ii. Input textbox of First name

   iii. Input text box of Sir name

   iv. Gender as male or female implemented using radial button

   v. Date of birth selection box

   vi. A drop down list of any five subjects of your choice

   vii. A description text box of a limited 50 word

   viii. SUBMIT and RESET buttons

h) A footer segment containing at least any three logos with a tittle as "our partners" with the logos arranged in a horizontal manner, the footer segment should be light blue colored.

TASK 2 – Develop a C program called "CourseSelection" with the following features.

                                                                                      (30 Marks)

a) The program ask a user to enter the following parameters:

   i. Username

   ii. Marks of any five subjects

b) After the marks are entered, the program then computers the average of the of the marks and displays the name of the five subjects side by side with the marks and also the average of the five marks as " Average marks".

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