061005T4ICT

ICT TECHNICIAN LEVEL 5

IT/OS/ICT/CR/5/5

DEVELOP COMPUTER PROGRAM

NOV/DEC 2023

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

PRACTICAL ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. In this practical assessment, you are required to perform Tasks 1 and 2.

   TASK 1 carries 30 Marks

   TASK 2 carries 20 Marks

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

3. You have **Ten** minutes to go through the instructions and the questions.

4. You are provided with the following resources:

   - A working computer.
   - Working text editor e.g. notepad installed.
   - Working C compiler installed.
   - Working internet browser installed.

TASK 1:

As a programmer in a Technology firm, you are tasked with implementing the guidelines given below. Using C programming language, develop a program that when it has been successfully compiled will do the following.

The program when run, should displays the initial screen as below;

```
===== Welcome to Safarikom=====
select an option to continue
   0. Buy bundle,
   1. Buy credit,
   2. Personal Details.
==============================
```

a.   When a user selects 0, the screen displays;

```
===== Safarikom- Buy Bundle =====
select an option to continue
0. sh10 for 100mbs,
   1. sh20 for 250mbs,
=============================
```

b.   When a user selects 1, the screen displays;

```
==== Safarikom- Personal Details ====
select an option to continue
 0. Enter your first name,
 1. Enter your mobile number,
==============================
```

c.   When a user selects any other input, the screen displays;

```
======= Safarikom- Error ========
   invalid input, please select *,
   to go back to the main page.
==============================
```

d.   Use a control structure to implement from the first screen in a), to the selected next screen b), c), or d).

e.   Use a control structure to implement what happens when the user selects an option in d).

Task 2:

Develop a html document that registers users to the financial institution portal. The registration page should include.

The title of the page is to be "WPSacco - registration page".

    a) The name of the financial institution is "Wakenya Pamoja Sacco Ltd".

    b) Input boxes;

        i) Names,

        ii) Member number;

        iii) Mobile number,

    c) Submit button.

    d) The details entered will be sent to a processing file called "registration.php".