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061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/10/6

Develop Computer Program

March/April 2025

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

easynet.com

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks
   - **i.** *Develop a program for Weru Fish enterprises*
2. You have been provided with the following resources for the practical tasks:
   - *i. A working computer installed with a word processor, C compiler and Java IDE*

TASK1:

Weru enterprises specialize in fish trading. The company takes fish in bulk from the fishermen and sells them on retail. Fishermen sell fish to the company at a general price of KShs 100 per Kg and they can sell on credit. The fish are then sorted by their type, size and quality. The fish are sold according to the quantity, type and quality and the company allows customers to buy fish on credit. The prices for each type vary according to their sizes and quality.

Type	Size	Price/kg
Tilapia	Large	150
	Normal	120
	small	80
Nile Perch	Large	250
	Normal	220
	small	200

easttvet.com

Required: Develop a program for Weru Fish with the following functions/class:

i. A function/class called *buy* that allows buyers to select the fish type, size and quantity and then generates the invoice using an if…else if…else or a switch statement

ii. A function/class called *check_stock* that allows the seller to check the remaining stock for each type of fish and for each size, use an if…else if…else or a switch statement.

iii. A function/class called *update* that allows seller to update the current stock