

8. The TECHVOC unit of the Ministry of Labour uses a database with two tables to store information on the number of uncertified persons with technical skills in the various areas of the country. The data in the two tables are shown below.

TABLE 1: AREA

| AREA_ID | AREA_NAME |
|---------|---------------|
| B1 | Corriverton |
| B2 | New Amsterdam |
| D1 | East Coast |
| D2 | Georgetown |
| E1 | Supernaam |
| E2 | Anna Regina |

TABLE 2: SKILL

| SKILL | AREA_ID | UNCERTIFIED |
|-----------|---------|-------------|
| Mechanic | D2 | 120 |
| Mason | E1 | 100 |
| Mason | D2 | 60 |
| Carpenter | E2 | 45 |
| Welder | D1 | 30 |
| Mason | B1 | 25 |
| Mechanic | B2 | 25 |
| Carpenter | B1 | 20 |

- (a) List TWO data types used in the SKILL table. (2 marks)
- (b) Write a query to show all areas with MORE THAN 50 uncertified masons and indicate how many records would be in the output of the query. (3 marks)
- (c) State the number of uncertified persons in New Amsterdam. (1 mark)
- (d) On which field is the SKILL table sorted? (1 mark)
- (e) A report was generated for the SKILL table and the records were grouped by a field. State the name of ONE appropriate field that can be used to group the records. (1 mark)

Total 8 marks

CSEC Information Technology

Paper 02

Question 8

These two exemplars are representative of excellent responses hence candidates were awarded full marks.

Comments

The answers were short, precise and exactly matched the key.

The answers demonstrated that the candidates clearly understood the questions and what were expected of them.

The answers showed that the topic as taught was understood by the candidates.

Exemplar #1

Question #8

Candidate Number

Write on both sides of the paper and start each answer on a new page.

Do not
write
in this
margin.

- (a) Two data types which were used in the SKILL table are: (i) Text
(ii) Number
- (b) First you go to Database look for Query design. Thereafter you then go to View and look for Design View and click on it. When this is open you will then open the two tables and link them by the field they have in common which 'Area - ID'. After you have done this double click on the fields needed to make the query which are: (i) 'Area - NAME', (ii) SKILL and (iii) Uncertified. In the Criteria under SKILL you put 'mason' under Uncertified you place '>50'. Then press run and the query will output two records ① D2 - Georgetown and ② E1 - Superngam.
- (c) The number of uncertified persons in New Amsterdam is 25.
- (d) The SKILL table is sorted on the Uncertified field because the numbers range from Largest to Smallest.
- (e) The name of the ONE appropriate field that can be used to group the records is 'Area - ID'.

Exemplar #2

7

8 (a) Two data type : text, number

(b) AREA - NAME SKILL UNCERTIFIED
Criteria: "Mason" Criteria: ≥ 50

2 records would be output

(c) 25 persons

(d) UNCERTIFIED field

(e) AREA - 10