National Council for Vocational Awards

NATIONAL VOCATIONAL CERTIFICATE LEVEL 2

Database Methods Practical Examination Level 2

Thursday,19 May1994 -   2.00 p.m.- 4.00 p.m.

INSTRUCTIONS TO CANDIDATES

1   Attempt all five tasks.

2   Read the paper throughout before you carry out any of the tasks.

3   **All** printouts should have the candidate's name and examination number clearly displayed.

4   Printing may be carried out tier the time allowed for the practical examination but no alterations may be made to saved files.

Introduction

Ardara Crafts Distribution Centre collects articles, both hand-made and machine-made, from craftspeople throughout a wide area, for sending on to buyers both overseas and within the country. Some of the articles sent in to the Centre are sent on as they are, because they are made for a single order; while other articles are divided up between a number of buyers. Michael Herrity, the manager of the Centre, requires a database to be set up in order to facilitate the handling of the articles and to ensure that the correct articles go to make up the correct orders.

Task 1 (6 *marks*)

From the database structure provided in **figure 1,** create a database to store the data provided in **figure** 2, using appropriate field names and data types. Write out this structure on the form provided, and save the resulting database as **'CRAFTS'.**

Figure 1

Name of Field	Data Type	Width
Name of Worker	?	15
Address	?	25
Method bv Which Article was Made	?	8
Category of Article	?	11
Size	**?**	**6**
Colour of Article(s)	?	12
Quantity	?	3
Are Goods Part of Single Order ?	?	1

Figure 2

Name	Address	How_Made	Category	Size	Colour	Qty	Single Order
Cashin, Alma	Ardamin House, Sligo	Handmade	Pullover	M/L	Brown/Blue	12	Y
O'Neill, Ian	24, Rock Road, Ardara	Machine	Shawl	M/L	Black/Brown	4	N
Clarke, Anne	Glebe House, Carigoe	Handmade	Scarves	M/L	Red/Green	11	N
Buitlear, Sean	Carraig Dubh, Ath an Ri	Handmade	Pullover	S/M/L	Grey/Green	8	Y
Fleming, Sandra	Barton House, Ardara	Machine	Rug	M	Red/White	3	Y
Walsh, Catriona	Rose Cottage, Beltra	Machine	Table-cloth	M/L	White	2	Y
Kinnear, Martha	45, Carnlogh Rd, Ardara	Machine	Bedspread	L	Red/Blue	3	N
O'Hare, Enda	Clonagoe, Sligo	Handmade	Pullover	S/M	Red/Blue	9	N
Kernaghan, Sean	Hill Farm, Killybegs	Machine	Socks	S/M	Blue/Grey	14	Y
O'Shea, Aine	12, Tymon Way, Ardara	Handmade	Rug	M	Blue/Red	1	Y
Tormey, Alan	Craft Shop, Portnoo	Handmade	Pullover	M/L	Brown/Black	7	N
O'Fiach, Maire	Dronamore, Donegal	Handmade	Scarves	S/M/L	White/Brown	8	N

Task 2 (13 *marks)*

Using a suitable data input format screen, enter and save the data in **figure** 2 into the database **'CRAFTS'.**

Notes on data input format screen:
(i)   Where possible, there should be at least two fields and suitable field labels on each line of the data entry screen.

(ii)   The entry screen should have a suitable centred heading.

(iii)   **No** extra marks will be given for borders, highlighting etc..

Task 3 (14 *marks)*

Mr Herrity requires labels for those deliveries from his suppliers which are **not** part of a single order, in order that he may identify who made the articles, using what method, to what category they belong, in what colour(s) they are provided, and how many there are in each consignment.

(a)   Extract a suitable subset of the master file for this purpose, saving it to a new file, **NOTSING'.**

(b)   Organise the file **'NOTSING'** in ascending order of colour (primary key field) and descending method of manufacturing (secondary key field), and save this organised file or index as **'NOTSING2'** for printing now or later.

(c)   Develop suitable labels from the file **'NOTSING',** for the purpose specified in the introduction to this task, placing at least two labels across the page, for printing now or later.

Task 4 (6 *marks)*

Using the original database **'CRAFTS',** develop a report format, containing all fields and all records, which will include a suitable report title, suitable column titles, and a total for the quantities of articles, for printing now or later.

Task 5 *(11 marks)*

(a) Make the following alterations to the database 'CRAFTS':

   (i)   Delete the records for Ian O'Neill and Martha Kinnear

   (ii)   Change the colour of Anne Clarke's scarves from red/green
   to red/grey

   (iii)   Change the pullover from Enda O'Hare to a bedspread, and
   the quantity to 3 (three).

(b) Using the altered file 'CRAFTS' from **5(a),** select only those records for
suppliers who can provide articles in small sizes, using an appropriate
search string, and saving the results as 'CRAFTS2', for printing now or
later.

(c) Select the fields containing the name of the suppliers, the manner in
which articles are made, the type of articles, the sizes supplied and the
colours, from all the records in the altered file 'CRAFTS' from **5(a),**
and save as 'CRAFTS3' for printing now or later.

Note: It is the candidates' responsibility to ensure that they use correct
filenames, and correctly label their disks, as examiners will not be able
to allocate marks to unidentified candidates, and files incorrectly named
will lose marks.

Database Structure Entry Form

Field Name	Data Type	Width

Name: _____

Examination No: _____

Date: _____