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Cambridge Assessment International Education

Cambridge International AS & A Level

INFORMATION TECHNOLOGY **9626/02**

Paper 2 Practical **February/March 2024**

2 hours 30 minutes

7924490825

You will need: Candidate source files (listed on page 2)

INSTRUCTIONS

- Carry out every instruction in each task.
- Save your work using the file names given in the task as and when instructed.
- You must **not** have access to either the internet or any email system during this examination.
- You must save your work in the correct file format as stated in the tasks. If work is saved in an incorrect file format, you will **not** receive marks for that task.

INFORMATION

- The total mark for this paper is 90.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **8** pages. Any blank pages are indicated.

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You have been supplied with the following source files:

m24bracelet.csv
m24chain.csv
m24earring.csv
m24items.mp4
m24items2.mp4
m24orders.csv
m24pendant.csv
m24ring.csv
m24stocklist.csv

You must use the most efficient method to solve each task. All documents produced must be of a professional standard and suit the business context.

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You work for Jenna's Jewellery and will design a database about products, customers and their orders.

Note:

- all dates must be stored and displayed in dd/mm/yyyy format
- all currency values must be stored and displayed in pounds sterling (£) to 2 decimal places
- all field names must be short and meaningful and contain no spaces.

1 Open and examine the files:

m24bracelet.csv
m24chain.csv
m24earring.csv
m24pendant.csv
m24ring.csv
m24stocklist.csv

Combine the data into a single file, sorted into ascending order of product code. You must manipulate some of the data in order to do this. Place the columns in this order:

	A	B	C	D	E	F	G	H
1	Product Code	Item	Metal	Stone	Style	Cost Price	Sale Price	Stock Held

Save this as a spreadsheet with the file name **JJstock_** followed by your centre number_candidate number. For example, JJstock_ZZ999_9999

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2 Open and examine the data in the file **m24orders.csv**

Design and create a relational database normalised to third normal form (3NF) using the data from *m24orders.csv* and the file you created in step 1. Enforce referential integrity where it is appropriate to do so.

Save your database as **JJ_** followed by your centre number_candidate number. For example, JJ_ZZ999_9999

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3 Create a report in this database to identify all the products containing an opal that were sold to customers with customer numbers 1, 12 and 25. Create a field, calculated at run-time, called **Item_Total** to calculate the sale price of an item multiplied by the quantity.

Group this report by the customer's family name with only the customer's full name and address (including the post code) in the group header.

Within each group, group the data by order number.

Display in the group header:

- the order number
- the date
- who the order was prepared by.

Display for each item:

- the stock item
- the quantity
- the metal used
- the type of stone
- the sale price
- the item total.

Sort the data within each customer into ascending order of the order number and sort the items into ascending order of style.

Use calculated controls to:

- sum the item totals for each order and place this below the *Item_Total* column
- sum the item totals for all orders and place this below the *Item_Total* column at the bottom of the report.

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Format the report to look like this:

Jenna's Jewellery - Opal sales to 3 best customers

Loiuse Baiardo 25 Guild Street LONDON EC2 0EB

Ord000015	08/01/2024	Prepared by: Jenna					
		Ear rings	1	Silver	Fire Opal	B1	£55.00	£55.00
		Ear rings	1	Silver	Black Opal	B1	£50.00	£50.00
		Ear rings	1	Silver	Black Opal	B3	£80.00	£80.00
								£185.00

Jasmine Gunn 94 Shore Street STOKE TRISTER BA9 6AY

Ord000001	03/01/2024	Prepared by: Jenna					
		Ring	1	Silver	Green Opal	A2	£250.00	£250.00
		Ear rings	1	Silver	Green Opal	B1	£50.00	£50.00
		Bracelet	1	Silver	Green Opal	F1	£165.00	£165.00
								£465.00
Ord000006	06/01/2024	Prepared by: Jenna					
		Ring	1	Silver	Blue Opal	A3	£250.00	£250.00
		Ear rings	2	Silver	Blue Opal	B3	£80.00	£160.00
		Pendant	1	Silver	Blue Opal	P1	£525.00	£525.00

The data must fit within the width of a single A4 portrait page. Make sure that your name, centre number and candidate number are placed at the bottom left of each page.

Export your report in portable document format (.pdf) with the filename **JJbest_** followed by your centre number_candidate number. For example, JJbest_ZZ999_9999

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Jenna's Jewellery is developing a short video to advertise the company.

All video clips produced must be of a professional standard and suit the business context.

4 Open your video editing software and set the aspect ratio to 16:9.

Open and examine the file **m24items.mp4**

Trim the clip to remove the first 2.6 seconds.

Splice the file **m24items2.mp4** to the end of this clip.

Add an appropriate transition between the clips. Set both clips so that they run with 0.25 x the speed of the original clips. Trim the clip to remove the end so that only 10 seconds remain.

Export the clip in **.mp4** format with a resolution of 854 x 480 using the file name **JJ1_** followed by your centre number_candidate number. For example, JJ1_ZZ999_9999

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5 Use the file saved in step 4 to create a video clip to match this storyboard.

All text must be displayed in a consistent sans-serif font.
Do **not** use transitions unless instructed to do so.

0 seconds: Take a still image from the first frame of the video file *JJ1* saved at step 4 and display this as the background.

4 seconds: The background remains, with the name of the company placed as a title in the top-right corner.

6 seconds: The background and title remain, with the text **the Opal specialists** added as a subtitle below the title.

10 seconds: Play the video file *JJ1* saved at step 4.

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6 Export your video clip in **.mp4** format as **JJvideo_** followed by your centre number_candidate number. For example, JJvideo_ZZ999_9999

[1]

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