Cambridge International AS & A Level

INFORMATION TECHNOLOGY	9626/04
Paper 4 Advanced Practical	May/June 2025
	2 hours 30 minutes

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.

DC (CJ/CB) 344503/2
© UCLES 2025

[Turn over

You have been supplied with the following source files:

Barrier.png
FunCar.png
GreenCar.png
Receipt.rtf
RedCar.png
Week21.csv

Create a folder called **Examination**.
You must save all your work in this folder.
Copy these files into this folder.
Do **not** delete the source files when submitting your work.
Do **not** tidy the folder by deleting files created at any stage of attempting the tasks.

You must use the most efficient methods to solve each task. All work produced must be of a professional standard and contain your candidate details.

Task 1

(a) Create a relational database normalised to third normal form (3NF), using the data in the **Week21.csv** file.

Name the database **Week21_** followed by your centre number_candidate number. For example, Week21_ZZ999_9999

Make sure all fields in the database use appropriate names and data types. Display all currency values in GBP (£). If this is **not** available, use your local currency.

Create a calculated field named **Fee** which is charged for each car sold. Calculate this fee based upon the *Sold_for* value. If this value is:

- less than £1000, then the *Fee* is 5% of the *Sold_for* value
- up to and including £2000, then the *Fee* is 4% of the *Sold_for* value
- over £2000, then the *Fee* is 3% of the *Sold_for* value.

Create a form named **Traders** containing two subforms to display the data, layout and formatting as shown.

The form is for viewing data only. Disable data entry, and make sure that all the fields are fully visible.

Add calculated controls to display the **Total Sales** and the **Total Fees**.

Add another calculated control to display the **Balance** which is the *Total Sales* minus the *Total Fees*.

Resave the form as **TraderPlusSums**

[37]

(b) Create a report to list the cars sold for each trader. Name the report **Week21Summary**

The report must look like this:

Tawara Auctions — Car Sales - Weekly report

Tawara Auto Ace

Year	Make	Model	Sold_for	Fee
2022	Puzzilo	Mozilo	£2,860	£85.80
2024	Cryst	Fjord	£3,440	£103.20
2024	Caudy	Pantanal	£3,740	£112.20
2024	Bennro	Celario	£2,800	£84.00
2024	Vuall	Yeet	£2,000	£80.00
2025	Bennro	Toppo	£2,050	£61.50
		Totals	£16,890	£526.70

Tawara Auto City

Year	Make	Model	Sold_for	Fee
2025	Jennor	Piz	£810	£40.50
		Totals	£810	£40.50

Tawara Auto Emporium

Year	Make	Model	Sold_for	Fee
2020	Faux	Rrari	£1,840	£73.60
2022	Puzzilo	Mozilo	£1,050	£42.00
2023	Tefflo	Vellfire	£3,300	£99.00
2023	Hydra	Corrie	£2,860	£85.80
2025	Vuall	Plaid	£2,800	£84.00
2025	Pissano	Esteam	£3,730	£111.90
		Totals	£15,580	£496.30

When printed, the report must display each trader on a separate page and show the banner heading on each page like this:

Export the report to a pdf file named **Week21Report_** followed by your centre number_ candidate number. For example, Week21Report_ZZ999_9999

[13]

Task 2

Use your database and **Receipt.rtf** as the template to mail merge letters for people who bought cars and paid for a warranty in the Monday Auction. Exclude all letters where the *Trader* was *Tawara Auto Emporium*.

Follow these rules to display conditional text.

*Letters to buyers who did **not** purchase a warranty should include the following text:*

Warranties are still available for purchase for up to one month after the sale, please contact us at the above address if you would like to reconsider.

Letters to buyers who did purchase a warranty should include the following text:

This receipt also confirms a one-year warranty for parts and repairs.

Letters to customers who did purchase a warranty but the year of the car is 2024 or later should include the following text:

Since the year of your vehicle is *<Insert year here>* your purchase of our warranty was unnecessary. We have refunded the sum to your account.
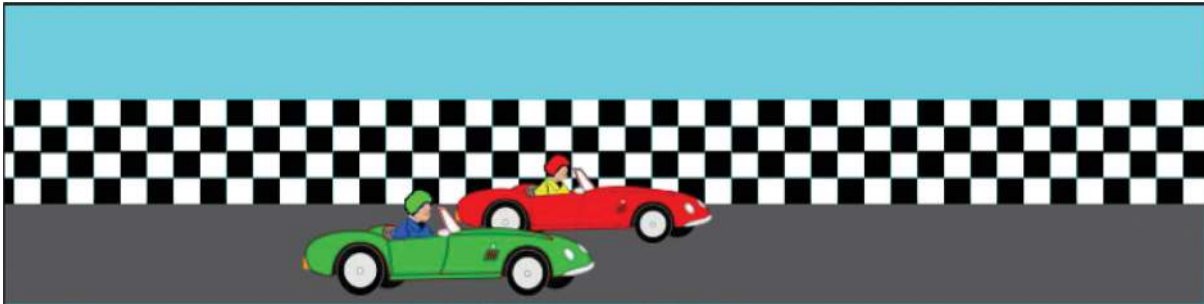

Save the merge document as **MergeDoc_** followed by your centre number_candidate number. For example, MergeDoc_ZZ999_9999

Merge the individual letters to a file named **ReceiptsDoc_** followed by your centre number_candidate number. For example, ReceiptsDoc_ZZ999_9999

[20]

Task 3

You must use **Barrier.png**, **GreenCar.png** and **RedCar.png** to create an animation of two cars that appear to be racing.
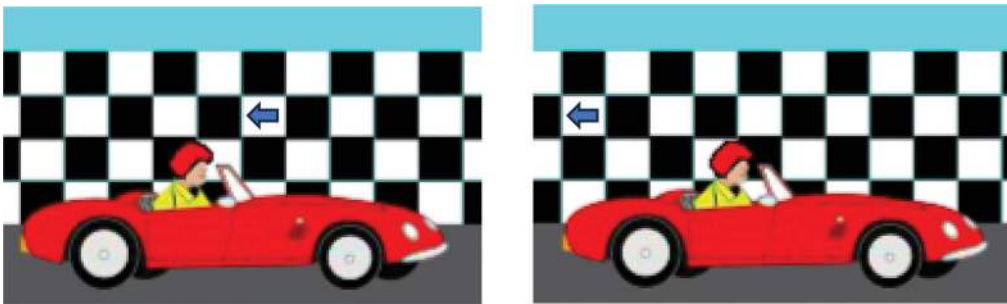

Set a frame size of 800 pixels by 200 pixels and colour the road and the sky as shown.

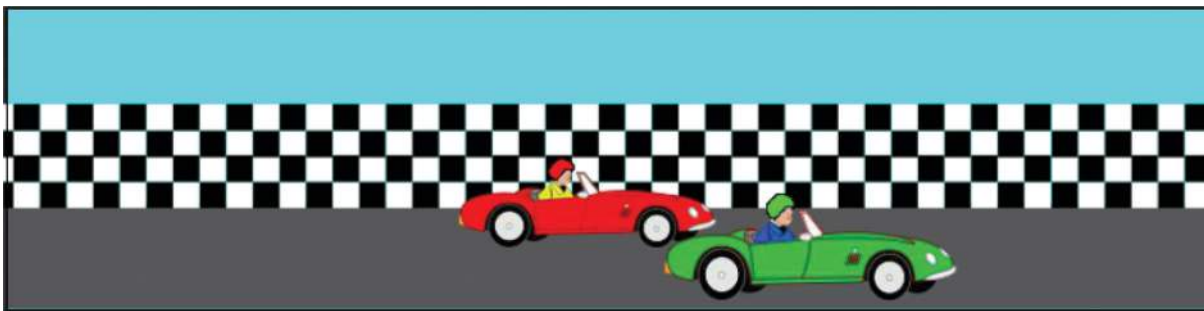The red car must always be in the centre of the frame.

The barrier image must travel from right to left so that the red car seems to be moving.

The barrier must move **five** squares to the left every second.

The green car must enter from the left and take six seconds to pass the red car and leave the frame.

The animation must loop continuously.

Save the animation as an animated gif named **Race_** followed by your centre number_candidate number. For example, Race_ZZ999_9999

[20]

BLANK PAGE