

Pearson Edexcel International Advanced Level

Tuesday 9 June 2026

Afternoon (Time: 3 hours)

Paper
reference

WIT14/01

Information Technology

International Advanced Level

UNIT 4

You must have:

The files Votes.txt, Competitions.accdb, Candidate evidence template.docx

Instructions

- Answer **all** questions using the template provided.
- Paste your screen prints into the appropriate places in the template.
- Type your responses to Question 1(b) and Question 5 in the appropriate places in the template.

Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets
– use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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Pearson

Instructions

A template for your evidence is provided in your examination area.

Open the template and type in your centre name, centre number, candidate name and candidate number in the boxes provided.

You must save the template using a filename in this format:

Centre number_candidate number_surname_first letter of first name

For example, 12345_9212_Smith_J

The screen prints you produce must be copied into the appropriate places in your template.

After you add a screen print to your template check that all the text can be read and enlarge the image if necessary.

Remember to save your template regularly.

Responses to Question 1(b) and Question 5 must be typed in the appropriate places in your template.



Scenario

Carlos runs competitions that give charitable organisations the chance to win cash prizes.

Each competition has one or more sponsors who donate prize money.

Each sponsor donates once yearly or multiple times a year.

There are three competitions a year. The prize amount is variable.

Charitable organisations register to take part in a competition.

Voters register and vote for the charitable organisation they want to win.

Carlos has provided:

- an extract of the list of sponsors and the prize amounts they donated
- the **Competitions** database and the **Votes** text file, which contain records of the competitions and votes.

The screen prints you produce must be copied into the appropriate places in your template. Remember to save your template regularly.

Responses to Question 1(b) and Question 5 must be typed in the appropriate places in your template.

The sponsor list extract is provided in Figure 1 on page 5. This is required for Question 1.

The competitions database and the votes text file are provided in your examination area. These are only required for Questions 2 to 5.

- 1 **Figure 1** shows an extract from the list of sponsors who donate prize money. Each year, some sponsors donate to a single competition, whilst others donate to multiple competitions.

Competition ID	Sponsor ID	Sponsor Postcode	Amount Donated	Sponsor Telephone	Sponsor Name	Sponsor Category	Sponsor Contact	Sponsor Category ID
C6	S1	CR12 4PF	£250.00	(05944) 11111111	Whimsical Wonders	Multiple Yearly	Marlene	SC2
C6	S2	DE16 4FF	£250.00	(01429) 33123411	Crafty Collab	Once Yearly	Mohammed	SC1
C7	S3	MU59 2XR	£400.00	(01429) 33123412	Financial Success Blueprint	Multiple Yearly	Pierre	SC2
C8	S1	CR12 4PF	£650.00	(05944) 11111111	Whimsical Wonders	Multiple Yearly	Marlene	SC2
C8	S3	MU59 2XR	£500.00	(01429) 33123412	Financial Success Blueprint	Multiple Yearly	Pierre	SC2
C9	S1	CR12 4PF	£1,500.00	(05944) 11111111	Whimsical Wonders	Multiple Yearly	Marlene	SC2
C10	S4	BR15 3RS	£500.00	(01429) 31563156	Stratos	Once Yearly	Claire	SC1

Figure 1

- (a) A new relational database structure is needed to store the information in **Figure 1**.

The database must include **all** and **only** the fields given in Figure 1.

It must:

- use related tables in order to have an efficient data structure that minimises data duplication
- use correct data types and keys
- enforce referential integrity.

Create the database structure.

Do **NOT** input any data into the database tables.

Produce screen prints and paste into your template at **1(a)** clearly showing:

- the relationships including table names, field names, and primary keys
- the field names and data types in the tables you have created.

Re-save your template.

(11)

(b) Assess the efficiency of the data structure you have created.

You should consider:

- data duplication
- primary and foreign keys
- referential integrity
- data types.

Type your response into your template at **1(b)**.

Do not include any screen prints.

Re-save your template.

(9)

(c) Data entered into the database must be accurate.

- (i) Set up a suitable format check in the relevant table for the telephone number in **Figure 1**.

Produce a screen print of the table in **Design** view, making sure that the format check can be clearly seen.

Paste the screen print into your template at **1(c)(i)**.

Re-save your template.

(2)

- (ii) A record must **only** be saved if the amount donated is at least £250 and no more than £1500.

Set up a range check in the relevant table so that the amount donated is valid.

Produce a screen print of the table in **Design** view, making sure that the data entry technique can be clearly seen.

Paste the screen print into your template at **1(c)(ii)**.

Re-save your template.

(2)



(d) Carlos needs a user-friendly data entry form to add details of a new sponsor.

The form must:

- open ready for data entry
- allow the user to input the sponsor ID, telephone, contact and postcode
- use a macro or code to ensure the user inputs a sponsor name
- allow the user to select the sponsor category ID
- provide a button that:
 - saves the record in the table
 - displays a message to say that the record has been saved
 - clears the form ready for the input of the next new sponsor.

Create the data entry form.

Produce screen prints and paste into your template at **1(d)** clearly showing:

- the form in **Form** view
- the form in **Design** view
- any macros/code, queries and/or properties in **Design** view.

Re-save your template.

(12)

(Total for Question 1 = 36 marks)

2 Carlos stores details of the competitions in a relational database.

The competitions database and the votes text file are in your examination area.

- (a) Import the data from the votes text file into the relevant tables in the competitions database.

Produce a screen print of each of the relevant tables and paste into your template at **2(a)** clearly showing:

- at least five records and the full record count. (If the fields are too wide to fit on one page, truncate the data.)

Re-save your template.

(3)

- (b) Carlos wants a list of competitions that started in either 2023 or 2024 with a prize amount of more than £500.

Create a query to display the competition ID, the start date, the end date and the prize amount from highest to lowest.

Produce screen prints and paste into your template at **2(b)** clearly showing:

- the query in **Design** view
- the query in **Datasheet** view.

Re-save your template.

(6)

(c) Two of the organisations that entered the competition ending on 31 March 2026 are The Hornchurch Foundation and Oyster Trust.

Carlos wants a report to show who voted for these organisations.

He wants the report to:

- be grouped by organisation ID
- include a suitable title
- use borders and shading appropriately.

For each organisation ID, he wants the report to display:

- organisation ID
- organisation name
- voter ID(s)
- voter surname(s)
- total number of votes.

Produce screen prints and paste into your template at **2(c)** clearly showing:

- the report in **Design** view
- the report in **Print Preview** view
- any queries used in **Design** view.

Re-save your template.

(14)

(Total for Question 2 = 23 marks)

3 Carlos needs to see the number of voters and the prize amounts for competitions with a prize amount of £1,000 or less.

- (a) Create a query that will display the start date, number of voters and prize amount for each competition.

Produce a screen print of the query in **Design** view clearly showing all required tables, fields and criteria.

Paste the screen print into your template at **3(a)**.

Re-save your template.

(3)

- (b) Carlos wants a **column** chart based on the query you created in Question 3(a).

The chart needs to show the start date, the number of voters and the prize amount for each competition.

Create a report that displays the **column** chart.

Produce screen prints and paste into your template at **3(b)** clearly showing:

- the entire window with the report in **Design** view
- the report in **Print Preview** view.

Re-save your template.

(5)

(Total for Question 3 = 8 marks)

4 Carlos wants a dashboard for the database.

He wants to use the dashboard design shown in **Figure 2**.

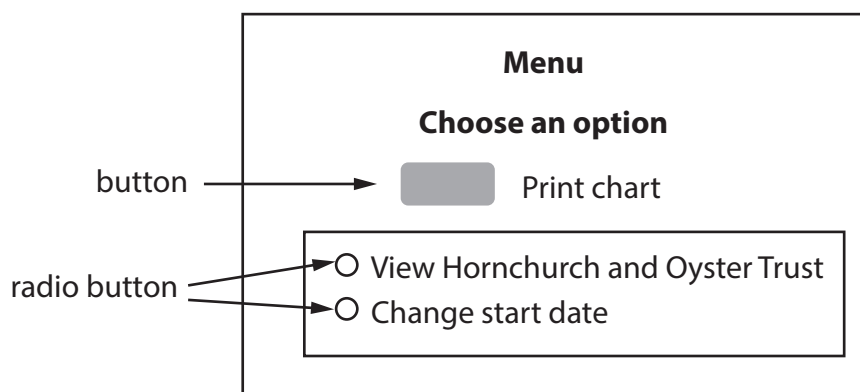


Figure 2

An automated method is needed for the button and each radio button:

- if the **Print chart** button is selected, the chart you created in Question 3(b) will print
- if the **View Hornchurch and Oyster Trust** radio button is selected, the report you created in Question 2(c) will open in **Print Preview** view
- if the **Change start date** radio button is selected, the query you created in Question 2(b) will open in **Design** view.

Create the dashboard to meet these requirements.

Produce screen prints and paste into your template at **4** clearly showing:

- the dashboard in **Form** view
- any macros/code in **Design** view.

Re-save your template.

(Total for Question 4 = 4 marks)

5 You were given the competitions database in your examination area.

Carlos wants to extend the functionality of this competitions database.

Currently each competition has a prize amount and the organisation with the most votes wins. Carlos wants to change the competition format. Instead of one overall winner, each competition will have a number of class winners.

A class defines the type of charitable organisation, such as animal welfare, sports, and access to arts. The organisation with the most votes in a class wins the prize for that class.

Carlos also wants to hold a prize-giving event for each competition. All the organisations that receive votes in the competition will be invited. A record will be kept of which organisations attend.

Analyse why the competitions database structure does not currently support this functionality.

Recommend how the competitions database structure could be modified to include this functionality.

Type your response into your template at **5**.

Do not include any screen prints.

Re-save your template.

(Total for Question 5 = 9 marks)

TOTAL FOR PAPER = 80 MARKS

