INFORMATION TECHNOLOGY **9626/02**

Paper 2 Practical **October/November 2019**

2 hours 30 minutes

Additional Materials: Candidate Source Files:
                              Employees.txt
                              Ski1.png
                              Skischule1.mp4
                              Skischule2.mp4

READ THESE INSTRUCTIONS FIRST

DO **NOT** WRITE IN ANY BARCODES.

Carry out **every** instruction in each task.
Save your work using the file name given in the task as and when instructed.

The number of marks is given in brackets [ ] at the end of each task or part task.

Any businesses described in this paper are entirely fictitious.

You must **not** have access to the internet or any email system during this examination.

You must save your work in the correct format as stated in the tasks. If work is saved in an incorrect format, you will **not** receive marks for that task.

[Turn over

You will create a short video to attract families to Ellmau for winter holidays. The video will advertise a ski school for children to encourage them to try skiing.

The original clips were filmed by TMBvideo in Ellmau, Austria.

All files produced must be of a professional standard.

Create a new document called **Evidence_**followed by your centre number_candidate number. For example: Evidence_ZZ999_9999

Place your name, centre number and candidate number in the header of this document. Save this document.

1   Create a new video and set the image ratio to 16:9

Create title frames with a white background and a copy of the image **Ski1.png** down each side of each frame.

Add the text **Ellmau Kinder-Skischule** in a red, 60 point, sans-serif font, like this:

Add an appropriate effect to place this text. Display this title for **7** seconds.   [13]

2   Open and examine the file **Skischule1.mp4**

Trim the clip so that only the first **8** seconds remain. Remove the soundtrack from the clip. Place the clip after the title frames.   [4]

3   Open and examine the file **Skischule2.mp4**

Trim the clip so that only the first **13** seconds remain. Remove the soundtrack from the clip. Place the clip at the end of the video. Add a **3**-second transition effect between the two video clips.   [4]

4 Take a snapshot of the last frame of the video clip to create a background image for both the caption and the credits. Place this at the end of the video and display this for the final **14** seconds (**7** seconds for the caption and **7** seconds for the credits).

Create the caption and ensure that the caption text is easy to read with three lines of text identifying:

- who the ski school is for
- what is its purpose
- the location of the ski school.

Add appropriate credits to match the brief. Include your name, centre number and candidate number. [14]

5

> **Evidence 1**
>
> Export your video in **mp4 format** with the filename **SkiSchool_1_**followed by your centre number_candidate number. For example: SkiSchool_1_ZZ999_9999

[2]

6 Describe **five** benefits of normalisation.

> **Evidence 2**
>
> Place your answer in your Evidence Document.

[5]

7   A query has been designed to help a company, which sells cars, to search their database.

Analyse and evaluate this query:

Field:	RegistrationPlate	Make	Model	Fuel	Colour	Engine size
Table:	Cars	Cars	Cars	Cars	Cars	Cars
Sort:						
Show:	☑	☑	☑	☑	☑	☑
Criteria:		[Enter vehicle make]	[Enter vehicle model]	[Enter code for fuel type]		
or:						

[6]

Evidence 3

Place your analysis and evaluation in your Evidence Document.

Employees in Ellmau who work with tourists have to be registered. This data will be stored in a database.

All reports must be designed to fit on an A4 page in portrait orientation and be a single page wide. All text must be at least 12 points high. All reports produced must be of a professional standard.

*The client has decided that all database field names must be short, meaningful and consistent in style. Field names may contain underscores but **not** spaces.*

8   Using suitable software, open and examine the data in the file:

Employees.txt

Use this data to create a relational database normalised to third normal form (3NF).   [39]

9 *A local business wants to present awards on 1 December 2019 to younger employees, who, on this date, will have been in the same employment for over 10 years.*

Create a report with an appropriate title, containing details of employees born after 1990 so that it is grouped and formatted like this: [15]

Report prepared by A Candidate ZZ999 9999

Administration/Office
    Skischule
    Skiverleih
    Kinderpiste
    Kapellenweg 8
    6352 Ellmau

| | Vanessa | Schweiger | 25/04/1991 | 20/04/2009 |

Snowboard Instructor
    Skischule
    Skiverleih
    Kinderpiste
    Kapellenweg 8
    6352 Ellmau

| | Marlene | Hofmann | 27/03/1991 | 12/12/2008 |

Chambermaid
    AktivHotel Hochfilzer

    Dorf 34
    6352 Ellmau

| | Konstantin | Hofbauer | 27/06/1991 | 21/01/2007 |

10 Create a report to display only the employees who are trainees. Identify, for each job described, how many trainees work in each place of employment. The report must have an appropriate title, display gridlines, be in a tabular format and display the place of employment as row headings. Do **not** include totals for each place of employment. [8]

Evidence 4

Export this report in **portable document format** (pdf) as **Trainee_** followed by your centre number_candidate number. For example: Trainee_ZZ999_9999

Evidence 5

Save your database as **Nov19_** followed by your centre number_candidate number. For example: Nov19_ZZ999_9999

Save your Evidence Document.

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