

### **Cambridge Assessment International Education**

Cambridge International Advanced Subsidiary and Advanced Level

#### INFORMATION TECHNOLOGY

9626/02

Paper 2 Practical May/June 2019

MARK SCHEME
Maximum Mark: 110



This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the May/June 2019 series for most Cambridge IGCSE™, Cambridge International A and AS Level and Cambridge Pre-U components, and some Cambridge O Level components.

# **Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

#### GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

#### **GENERIC MARKING PRINCIPLE 2:**

Marks awarded are always whole marks (not half marks, or other fractions).

#### **GENERIC MARKING PRINCIPLE 3:**

#### Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit
  is given for valid answers which go beyond the scope of the syllabus and mark scheme,
  referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

## **GENERIC MARKING PRINCIPLE 4:**

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

#### **GENERIC MARKING PRINCIPLE 5:**

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

#### GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

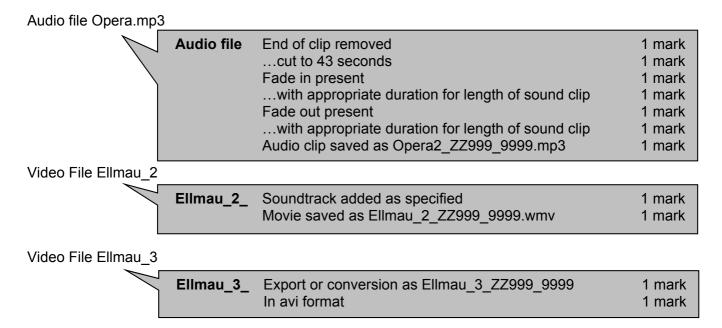
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Video

	Ellmau video	Image ratio of software set to 16:9	1 ו	mark
١		First 4.8 seconds of video removed	1 ı	mark
١		All elements fill the window	1 ו	mark
١	Title frame/s	Snapshot of first frame extracted	1 ו	mark
١		used at start as background image	1 ו	mark
١		with Ellmau coat of arms added with transparency	1 ו	mark
١		top right of screen and clearly visible	1 ו	mark
١		with appropriate proportions and covers most of light	1 ו	mark
١		Title frame with coat of arms 10 seconds duration	1 ו	mark
١	Title text	Animation effect gives time to read text	1 ו	mark
١		Title text Celebrate the New Year with us	1 ו	mark
		Top left of screen and clearly visible	1 ו	mark
١		Large easily read white sans-serif font	1 ı	mark
	Video 1	Smooth transition into video / no movement	1 ו	mark
١		End of video cut		mark
١		so only 10 seconds of video remain	1 ו	mark
		Snapshot of last frame extracted	1 ו	mark
		Set as the caption background		mark
		Placed after video		mark
	Caption	Different animation effect for caption		mark
		Caption frames 7 seconds duration		mark
		Caption in visible font with good contrast		mark
		Caption text includes Ellmau & Austria –		mark
		2nd block includes Fireworks at midnight		mark
1		3rd block includes 31st December 2019		mark
	Video 2	Clip Ellmau2 placed after caption		mark
		2-second transition between the caption and the clip		mark
	Credits	Appropriate transition for credits background		mark
		Appropriate background for credits		mark
		placed at end of second video clip		mark
		of 7 seconds duration		mark
		Filmed by – <u>GBRvideo</u>		mark
1		Location – Ellmau		mark
١		Country – Austria		mark
		Date filmed – 31/12/2018		mark
		Cand. name & numbers in credits in appropriate format		mark
		Appropriate blank line(s) as spacing between credits		mark
		Movie saved/exported as Ellmau_1_ZZ999_9999		mark
		In mp4 format	11	mark
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# Cambridge International AS/A Level – Mark Scheme PUBLISHED



**Evaluation:** 

Evaluation of 2 data files for merging

#### 6 from:

Most columns in same order and contain same data
Forename and Surname columns are reversed in 2 data sets
DOB and Age columns contain different data types
Age should never be used as a field as it constantly changes
Where age has been given DOB cannot be calculated
Address columns all have the same column heading
Both files contain blank rows which need to be removed
Both files stored in (unformatted) text format
Remove header row from second data set as files are merged

1 mark each Max 6

Employees.csv		Merge 2 documents into Employees9999.csv	1 mark	
		Remove date of birth and age columns	1 mark	
1		With data integrity for Forename and Surname intact	1 mark	

Forename	Surname
Arne	Bircher
Jon	Haby
Thomas	Tobler
Tim	Frueh
Dekke	Heitz
Simone	Aebi
Luca	Rim
Lara	Forrer
John	Zwinky
Romina	Von Gunten
Arenwald	Wurgler
Julian	Bruster

Sofia	Walp
Arda	Hegler
Nathan	Ganz
Alessandro	Messerli
Luca	Roser
Andri	Jud
Matteo	Nufer
Laura	Haener
Livio	Stager
Giulia	Ramseyer
Noah	Truby
Raphael	Michlig
Luca	Gisi

Matteo	Isch
Alice	Thoeny
Leonardo	Jud
Fabian	Ging
Leon	Joost
Nico	Lichty
Leandro	Laqua
Mattia	Polt
Camille	Oberlin
Matteo	Hilty
Mia	Leupp
Nico	Gantert
Lukas	Lutz

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Tobias	Mayer
Maximilian	Leitner
Alexander	Berger
David	Fuchs
Jonas	Eder
Simon	Fischer
Jakob	Schmid
Elias	Winkler
Florian	Weber
Sebastian	Schwarz
Julian	Maier
Paul	Schneider
Felix	Reiter
Fabian	Mayr
Leon	Brunner
Raphael	Wimmer
Philipp	Lackner
Moritz	Wieser
Daniel	Koch
Matthias	Stadler
Luca	Weiss
Nico	Krenn
Niklas	Konig
Michael	Kaiser
Samuel	Bohm
Noah	Mair
Dominik	Hauser
Gabriel	Hofbauer
Benjamin	Kaufmann
Johannes	Winter
Marcel	Riegler
Lorenz	Ortner
Thomas	Hackl
Manuel	Kern
Valentin	Kogler
Jan	Fink
Stefan	Seidl
Konstantin	Maurer
Christoph	Mayrhofer
Matteo	Posch
Leo	Schober
Kilian	Karner
Marco	Reisinger
Clemens	Hofmann

Andreas	Resch
Markus	Fritz
Adrian	Riedl
Martin	Konig
Fabio	Kaiser
Max	Bohm
Oliver	Mair
Jonathan	Hauser
Christian	Hofbauer
Luis	Kaufmann
Nicolas	Winter
Emil	Riegler
Yannick	Ortner
Tim	Hackl
Ben	Kern
Sarah	Kogler
Anna	Fink
Hannah	Seidl
Lena	Maurer
Leonie	Mayrhofer
Julia	Posch
Sophie	Schober
Marie	Karner
Emma	Reisinger
Laura	Hofmann
Johanna	Resch
Katharina	Fritz
Valentina	Riedl
Lea	Konig
Lara	Kaiser
Sophia	Bohm
Mia	Mair
Lisa	Hauser
Jana	Hofbauer
Emilia	Kaufmann
Magdalena	Winter
Amelie	Riegler
Viktoria	Ortner
Elena	Hackl
Clara	Kern
Nina	Kogler
Alina	Fink
Emily	Seidl
Lina	Maurer
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Helena	Mayrhofer
Theresa	Posch
Isabella	Schober
Miriam	Karner
Lilly	Reisinger
Selina	Hofmann
Marlene	Resch
Luisa	Fritz
Vanessa	Riedl
Larissa	Strobl
Emely	Holler
Maja	Schwaiger
Anja	Rainer
Jasmin	Neubauer
Pia	Jager
Anna-Lena	Grabner
Annika	Weis
Maria	Hartl
Nora	Friedl
Valerie	Brandstatter
Franziska	Horvath
Lukas	Klein
Arda	Frank
Nathan	Hutter
Alessandro	Mullner
Luca	Unger
Andri	Hager
Matteo	Kofler
Laura	Lindner
Livio	Kainz
Mia	Wiesinger
Tobias	Schweiger
Raphael	Hoffmann
Nico	Sommer
Matteo	Unger
Alice	Hager
Leonardo	Kofler
Fabian	Lindner
Leon	Kainz
Nico	Wiesinger
Leandro	Schweiger
Mattia	Hoffmann
Camille	Sommer
Ju	

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#### **Evidence 8**

Alternative solution:

Spreadsheet 1 mark

Advantages of relational database:

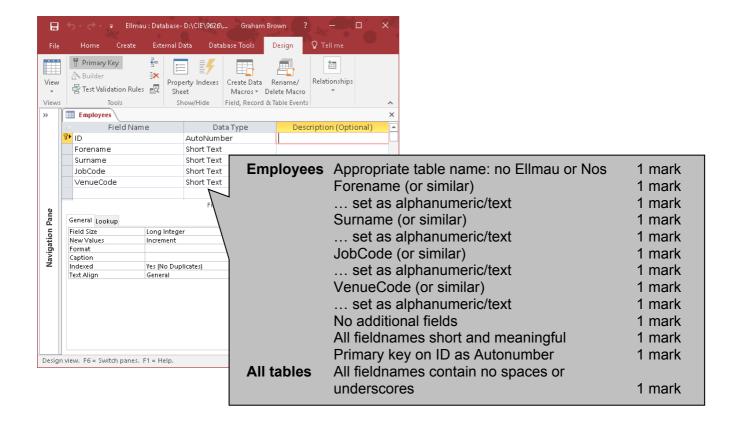
#### 4 from:

No duplication of data...

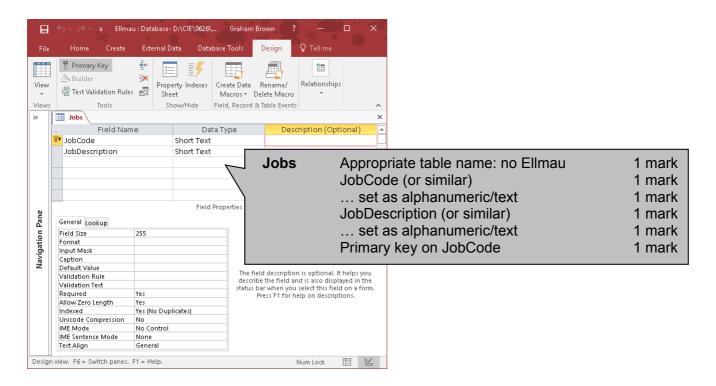
- ...quicker to edit/amend/delete data
- ...referential integrity/only need to edit/amend/delete data once ...
- ...less chance of errors/omissions

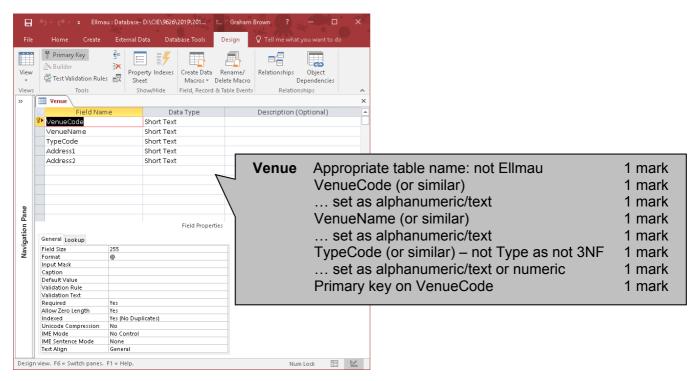
No need for different worksheets/all data in same place Relational database has more powerful search facilities

1 mark each Max 4

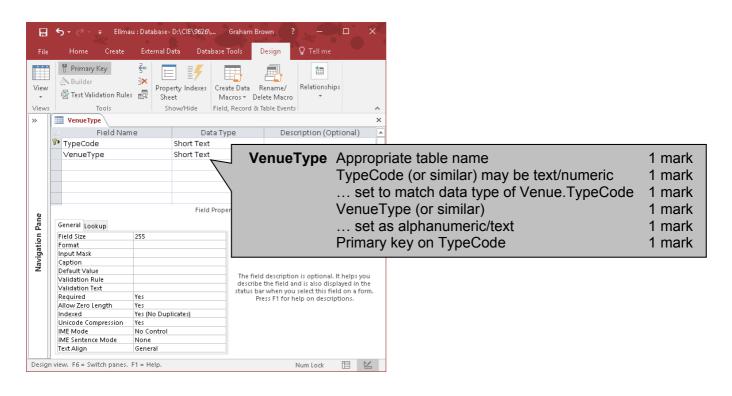


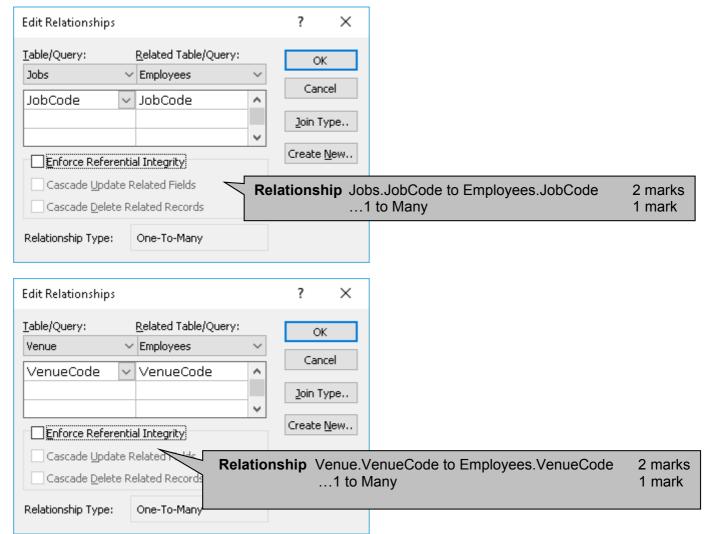
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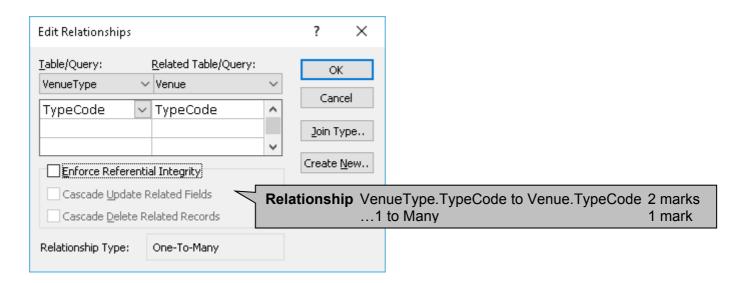


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#### Chef or Trainee Chef for each venue Address2 Address1 Trainee Che 1 Alte Straße 4 6352 Ellmau Apparthotel Tom Sojer Dorf 7 6352 Ellmau 1 Cantina Bar Mexican Dorf 43 6352 Ellmau 1 Ellmauer Alm Alte Strasse 4A 6352 Fllmau 1 Gasthof Gründalm 6306 Söll 2 Salvenburg 28 Gipfelalm Hohe Salve 1 Austraße 27 Haus Harmony 6352 Ellmau Hotel Alte Post Dorf 24 6352 Ellmau 1 Hotel Der Bär Kirchbichl 9 6352 Ellmau Jauenstation Treichlhof Dorf 84A 6306 Söll 1 Kaiserblick Kirchbichl 5 6352 Ellmau 6352 Ellmau Landhotel Föhrenhof Auwald 44 1 6352 Ellmau Dorf 22 1 Lobewein 6352 Ellmau Memory Dorf 39 6352 Ellmau 1 Pension Rainer Dorf 37 6352 Ellmau 1 Dorf 50 6352 Saltzberg 2 Sporthotel Salvenburg 6 6306 Söll 2

Report Chef OR Trainee Chef only 1 mark
Venue Name and Address as row headings 1 mark
Job Description (not code) as column headings 1 mark
Correct counts and gridlines with no totals 1 mark

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