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CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the May/June 2014 series

9713 APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/02 Paper 2 (Practical Test), maximum raw mark 120

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.

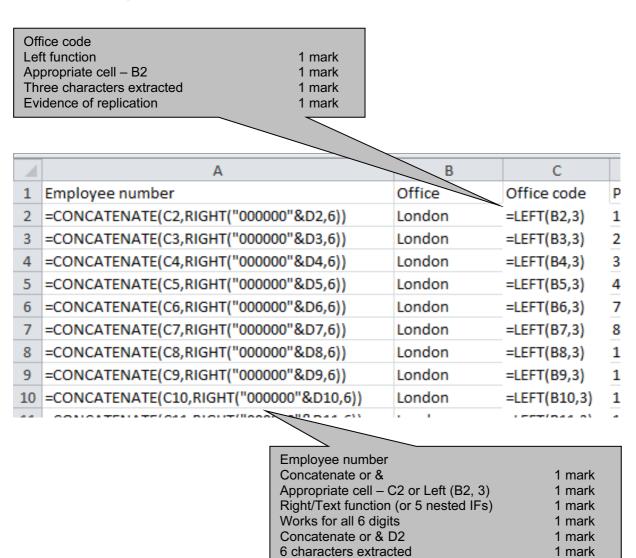
Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2014 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



Page 2	Mark Scheme	Syllabus	Paper
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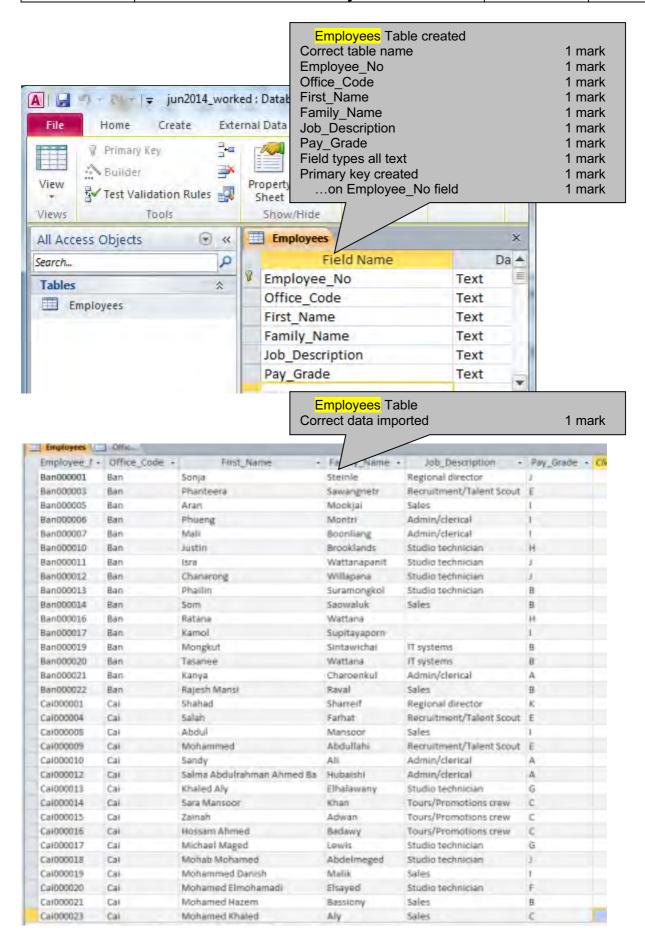
Steps 3 & 4
Candidate name, centre number and candidate number



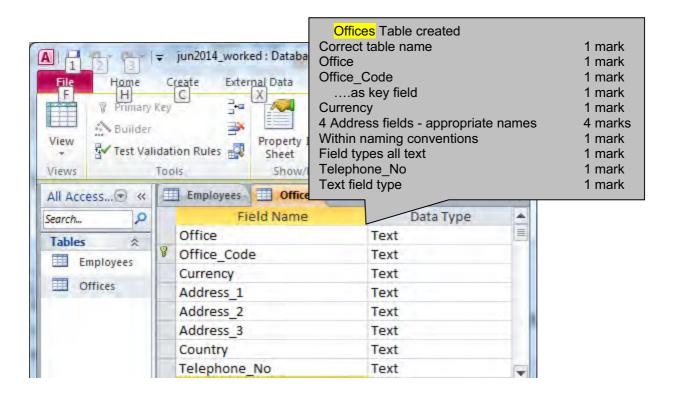
Evidence of replication

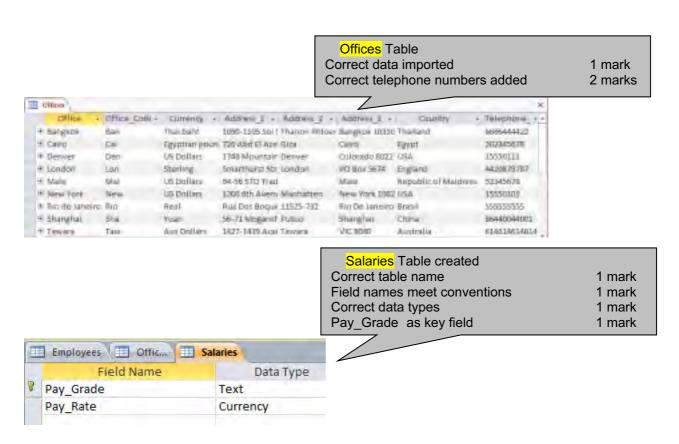
1 mark

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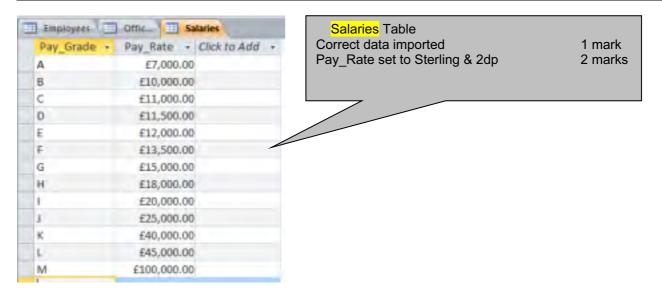


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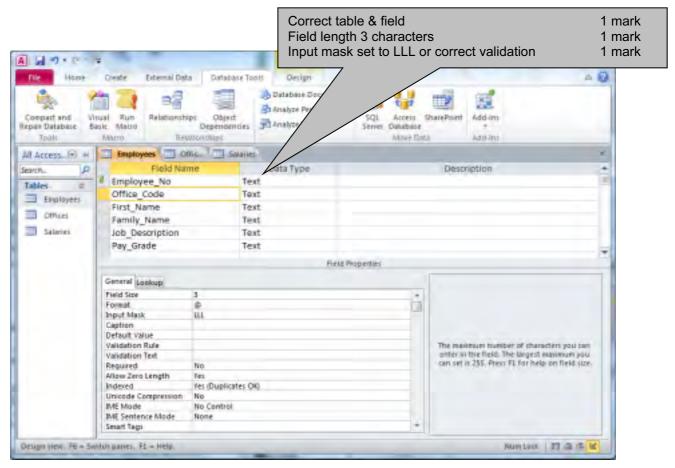




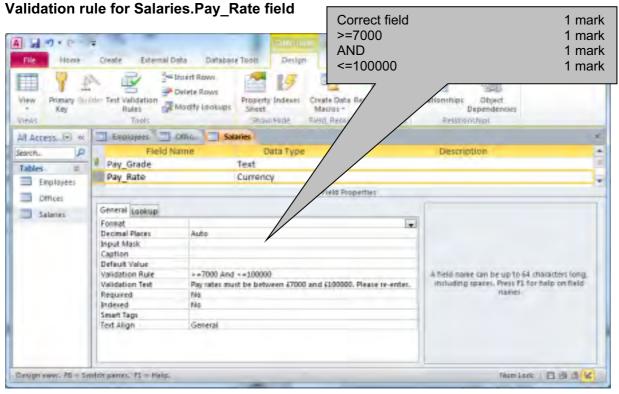
Page 5	Mark Scheme	Syllabus	Paper
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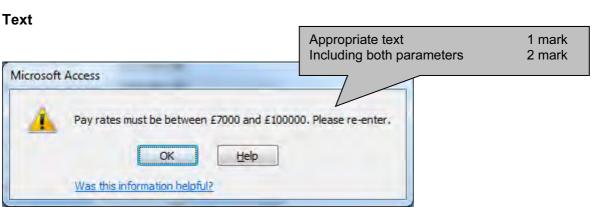


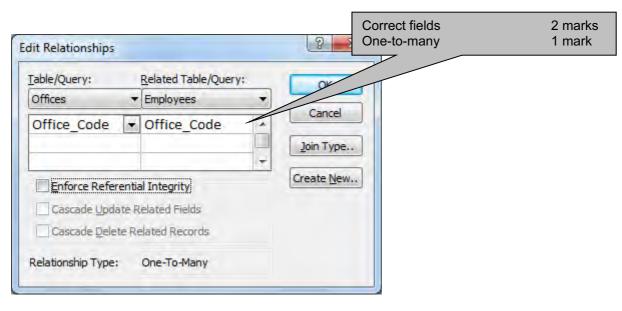
Input mask for Employees.Office_Code field



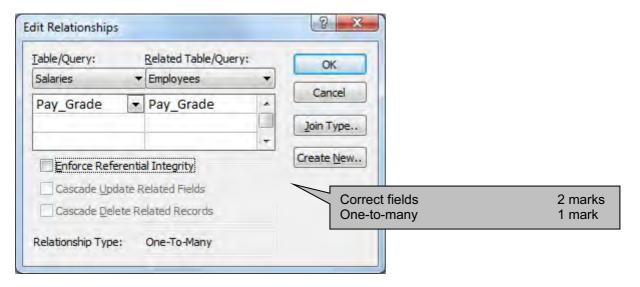
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Page 8	Mark Scheme	Syllabus	Paper
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Employees paid in Thai baht or US dollars by A.Candidate, ZZ999, 0099

Header:- Appropriate title & candidate details	1 mark
Fields:- Office, Employee_No, 2 names, Job_Desc, Pay Grade,	Pay Rate &
Currency only	1 mark
Single page wide & fully visible	1 mark

				enigio pago viio	ao a rany vion		Tinant
Office Bangkok	Employee_No	First_Name	Family_Name	Job_Description	Pay_Gr	ade Pay_Rate Currency	
241.811	Ban000001	Sonja	Steinle	Regional director	J	£25,000.00 Thai baht	
	Ban000011	Isra	Wattanapanit	Studio technician	J	£25,000.00 Thai baht	
	Ban000012	Chanarong	Willapana	Studio technician	J	£25,000.00 Thai baht	
	Ban000005	Aran	Mookjai	Sales	ا	£20 000 00 Thai haht	
	Ban000007	Mali	Boonliang	Admin/clerical		Search: Thai baht or US Dollars	2 marks
	Ban000006	Phueng	Montri	Admin/clerical		Grouping: Ascending order of Office	2 marks
	Ban000017	Kamol	Supitayaporn	Sales	1	Sorting	
	Ban000016	Ratana	Wattana	Sales	Н	Pay_Grade descending order	1 mark 1 mark
	Ban000010	Justin	Brooklands	Studio technician	H	£18,000.00 Thai baht	
	Ban000003	Phanteera	Sawangnetr	Recruitment/Talent Scout	Е	£12,000.00 Thai baht	
	Ban000014	Som	Saowaluk	Sales	В	£10,000.00 Thai baht	
	Ban000019	Mongkut	Sintawichai	IT systems	В	£10,000.00 Thai baht	
	Ban000020	Tasanee	Wattana	IT systems	В	£10,000.00 Thai baht	
	Ban000022	Rajesh Mansi	Raval	Sales	В	£10,000.00 Thai baht	
	Ban000013	Phailin	Suramongkol	Studio technician	В	£10,000.00 Thai baht	
	Ban000021	Kanya	Charoenkul	Admin/clerical	А	£7,000.00 Thai baht	

		Page 9	Mark Scheme		Syllabus	Paper		
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Denver								
	Den00000	1 Cindy	Brown	Office manager	J	f	£25,000.00 US I	Dollars
	Den00001	0 Stuart	Guttermann	Sales	J	f	£25,000.00 US I	Dollars
	Den00000	9 Steve	Brown	Sales	1	f	E20,000.00 US I	Dollars
	Den00002	3 Moshe	Harris	Studio technician	Н	i	£18,000.00 US I	Dollars
	Den00000	4 Tally	Telfer	Recruitment/Talent Scout	Е	i	£12,000.00 US I	Dollars
	Den00002	6 Lois	Thomas	IT systems	Е	i	£12,000.00 US I	Dollars
	Den00002	8 Kevin	White	Tours/Promotions crew	С	f	E11,000.00 US I	Dollars
	Den00001	5 Tanon	Bridges	Studio technician	С	f	£11,000.00 US I	Dollars
	Den00002	7 Elijah	Arnott	Tours/Promotions crew	С	f	£11,000.00 US I	Dollars
	Den00002	4 Joshua	Bui	IT systems	С	f	£11,000.00 US I	Dollars
	Den00002	0 Jayden	Anderson	Studio technician	В	f	£10,000.00 US I	Dollars
	Den00002	2 Alejandro	Jackson	Studio technician	В	f	£10,000.00 US I	Dollars
	Den00001	4 Karl	Bloomsfeld	Admin/clerical	Α		£7,000.00 US I	Dollars
Male								
	Mal00000	1 Adi	Gunawardena	Regional director	J	f	£25,000.00 US I	Dollars
	Mal00000	2 Arnav	Ranatunga	Sales	I	f	220,000.00 US I	Dollars
	Mal00000	6 Vihaan	De Silva	Admin/clerical	Е	f	£12,000.00 US I	Dollars
	Mal00000	4 Ananya	Perera	Recruitment/Talent Scout	Е	f	£12,000.00 US I	Dollars
	Mal00000	7 Saanvi	Jayasuriya	Admin/clerical	В	f	£10,000.00 US I	Dollars

Gunawardena IT systems

Mal000008

Khushi

£7,000.00 US Dollars

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New York

New000002	William	Davis	Regional director	K	£40,000.00 US Dollars
New000022	Logan	Jackson	Admin/clerical	J	£25,000.00 US Dollars
New000017	Aiden	Miller	Recruitment/Talent Scout	1	£20,000.00 US Dollars
New000009	Liam	Williams	Sales	1	£20,000.00 US Dollars
New000018	Luis	Hernandez	Admin/clerical	Н	£18,000.00 US Dollars
New000019	Martina	Martinez	IT systems	G	£15,000.00 US Dollars
New000004	Emma	Jones	Recruitment/Talent Scout	E	£12,000.00 US Dollars
New000011	Olivia	Murphy	Sales	D	£11,500.00 US Dollars
New000020	Ethan	Smith	Admin/clerical	Α	£7,000.00 US Dollars
New000012	Addy	Gomez	Sales	Α	£7,000.00 US Dollars

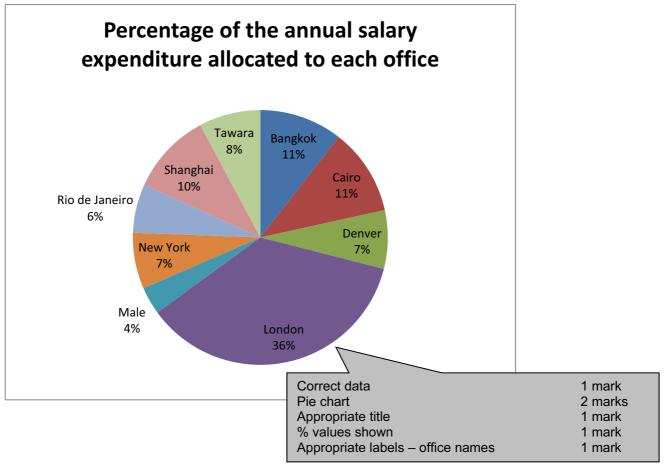
Page 11	Mark Scheme	Syllabus	Paper
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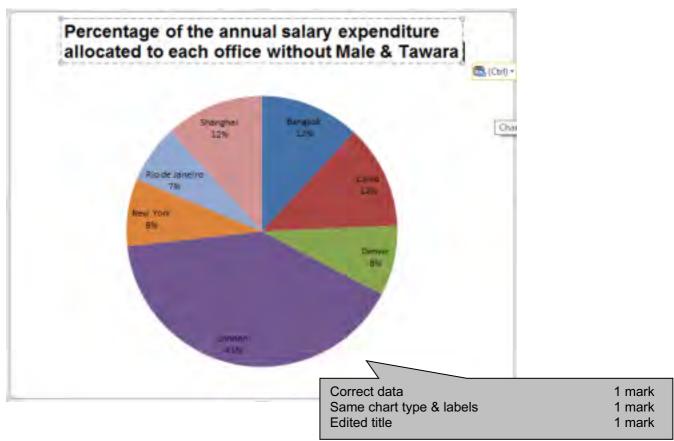
Extract to calculate average Pay_Rates for each office

Office	Avg Of Pay_Rate
Bangkok	£16,250.00
Cairo	£15,027.78
Denver	£14,076.92
London	£16,407.41
Male	£14,333.33
New York	£17,550.00
Rio de Janeiro	£15,250.00
Shanghai	£16,000.00
Tawara	£14,807.69

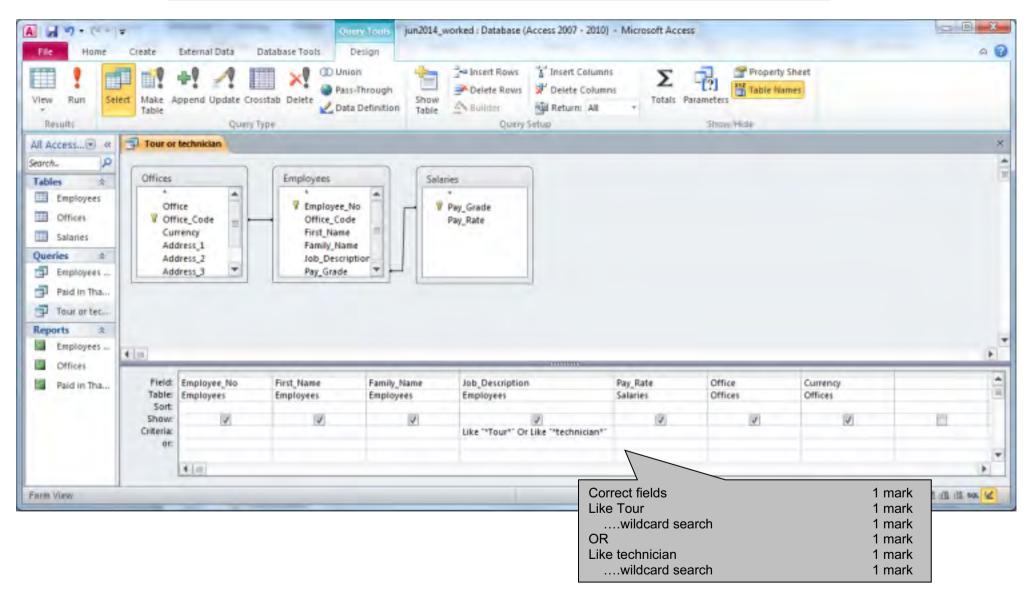
Correct calculated totals:	9 marks
Only these 2 columns fully visible	1 mark
Sorted ascending on Office	1 mark
Sterling	1 mark
with 2dp	1 mark

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Extraction to find Right string 1 mark of employee number 1 mark To 2 places 1 mark VALUE function to return numeric 1 mark IF and /or autofilter to refine 1 mark

Correct results

Employee_No	First_Name	Family_Name	Job_Description	Pay_Rate	Office	Currency
Sha000006	Yi	Zhang	Tours/Promotions crew	11000	Shanghai	Yuan
Sha000007	Lan	Cheung	Tours/Promotions crew	11000	Shanghai	Yuan
Taw000008	Paulo	Villa	Studio technician	12000	Tawara	Aus Dollars
Lon000003	Clemantine	Leadbetter	Tours/Promotions director	45000	London	Sterling

=IF(VALUE(RIGHT(A22,2))<10,"True","False")
=IF(VALUE(RIGHT(A23,2))<10,"True","False")
=IF(VALUE(RIGHT(A26,2))<10,"True","False")
=IF(VALUE(RIGHT(A45,2))<10,"True","False")

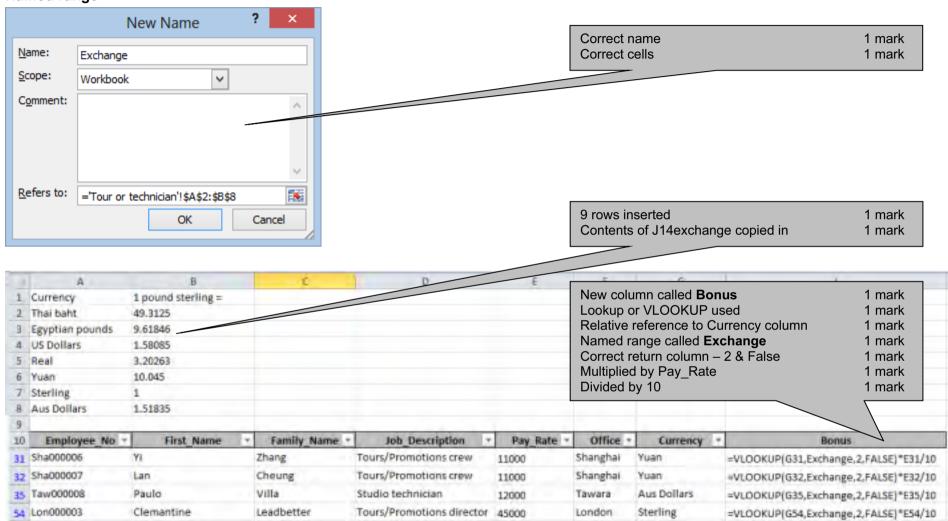
2 marks

Values printout

Employee_No	First_Name	Family_Name	Job_Description	Pay_Rate	Office	Currency	
Sha000006	Yi	Zhang	Tours/Promotions crew	£11,000.00	Shanghai	Yuan	True
Sha000007	Lan	Cheung	Tours/Promotions crew	£11,000.00	Shanghai	Yuan	True
Taw000008	Paulo	Villa	Studio technician	£12,000.00	Tawara	Aus Dollars	True
Lon000003	Clemantine	Leadbetter	Tours/Promotions director	£45,000.00	London	Sterling	True

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Named range



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1	Α	В	С	D	Е	F	G	1
1	Currency	1 pound sterling =						
2	Thai baht	\$49.31						
3	Egyptian pounds	EGP 9.62		Correct col	oulations		1 mark	
4	US Dollars	\$1.58		Correct calc			1 mark 3 marks	
5	Real	R\$ 3.20		30110011011			- Trianto	
6	Yuan	¥10.0						
7	Sterling	£1.00						
8	Aus Dollars	\$1.52						
9								
10	Employee_No 🔻	First_Name 🔻	Family_Name 🔻	Job_Description ▼	Pay_Rate ▼	Office ~	Currency ~	Bonus
31	Sha000006	Yi	Zhang	Tours/Promotions crew	£11,000.00	Shanghai	Yuan	¥11,049.5
32	Sha000007	Lan	Cheung	Tours/Promotions crew	£11,000.00	Shanghai	Yuan	¥11,049.5
35	Taw000008	Paulo	Villa	Studio technician	£12,000.00	Tawara	Aus Dollars	\$1,822.02
54	Lon000003	Clemantine	Leadbetter	Tours/Promotions director	£45,000.00	London	Sterling	£4,500.00
55								