MARK SCHEME for the May/June 2014 series

9713 APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

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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.

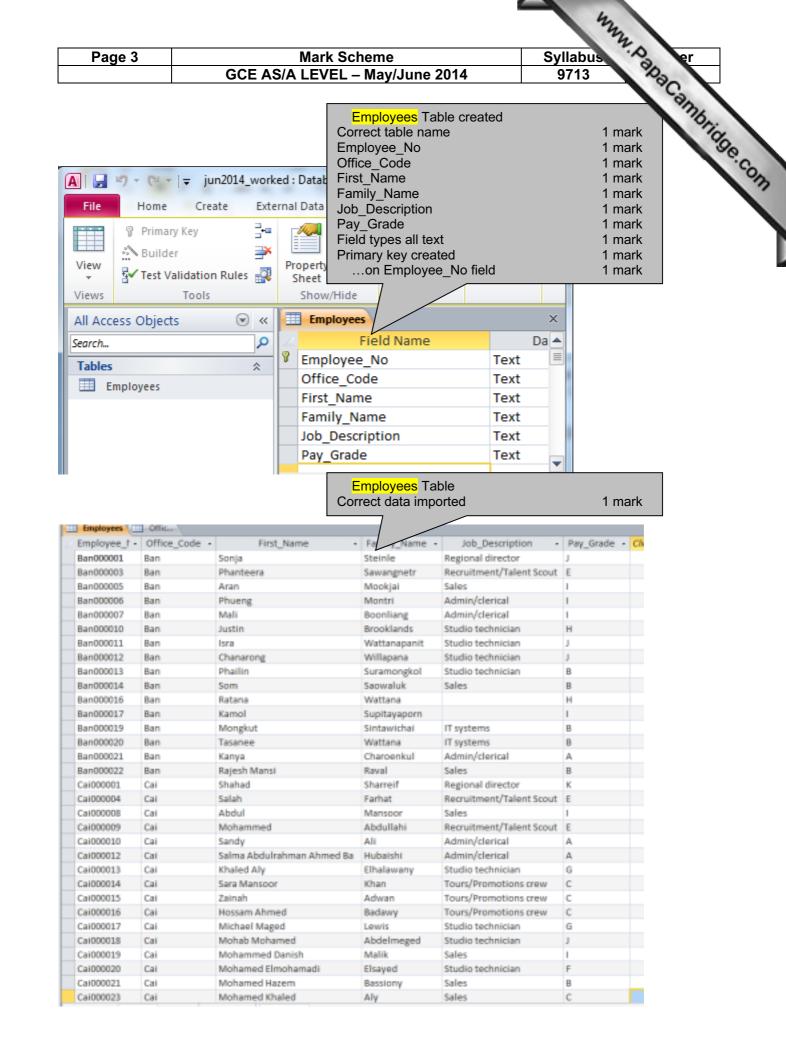
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Page 2	Mark Scheme	Syllabus er
	GCE AS/A LEVEL – May/June 2014	9713
Steps 3 & 4 Candidate name, centı	re number and candidate number	embridge.com
Office code		On
Left function	1 mark	
Appropriate cell – B2	1 mark	
Three characters extract	ed 1 mark	

Steps 3 & 4

Office code Left function Appropriate cell – B2 Three characters extracted Evidence of replication	1 mark 1 mark 1 mark 1 mark	
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	A	В	С	
1	Employee number	Office	Office code	Ρ
2	=CONCATENATE(C2,RIGHT("000000"&D2,6))	London	=LEFT(B2,3)	1
3	=CONCATENATE(C3,RIGHT("000000"&D3,6))	London	=LEFT(B3,3)	2
4	=CONCATENATE(C4,RIGHT("000000"&D4,6))	London	=LEFT(B4,3)	3
5	=CONCATENATE(C5,RIGHT("000000"&D5,6))	London	=LEFT(B5,3)	4
6	=CONCATENATE(C6,RIGHT("000000"&D6,6))	London	=LEFT(B6,3)	7
7	=CONCATENATE(C7,RIGHT("000000"&D7,6))	London	=LEFT(B7,3)	8
8	=CONCATENATE(C8,RIGHT("000000"&D8,6))	London	=LEFT(B8,3)	1
9	=CONCATENATE(C9,RIGHT("000000"&D9,6))	London	=LEFT(B9,3)	1
10	=CONCATENATE(C10,RIGHT("000000"&D10,6))	London	=LEFT(B10,3)	1
	CONCETENTE CAL DIQUE INON		(FFT(D44 A)	

Employee number	
Concatenate or &	1 mark
Appropriate cell – C2 or Left (B2, 3)	1 mark
Right/Text function (or 5 nested IFs)	1 mark
Works for all 6 digits	1 mark
Concatenate or & D2	1 mark
6 characters extracted	1 mark
Evidence of replication	1 mark



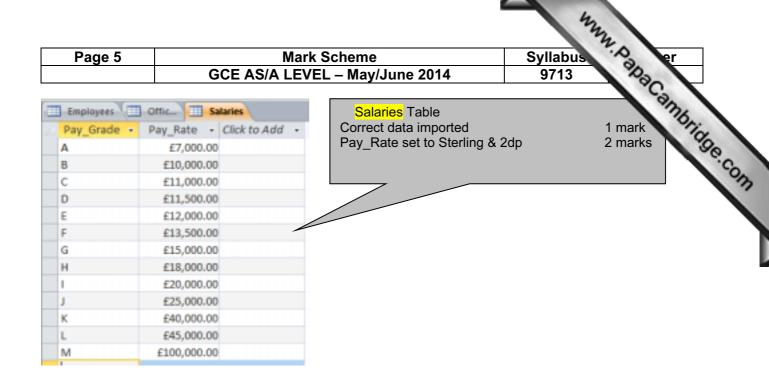
Page 4		Scheme	Syllabus of er	
	GCE A3/A LEVE	EL – May/June 2014	9713 DaCan	1
I 2 3 File Home F H Prima New Views All Access ♥ ≪	r Property Sheet Show/	Office_Code as key field Currency 4 Address fields - appropriate Within naming conventions Field types all text Telephone_No	Syllabus 9713 1 mark 1 mark	oridge
Search Tables Employees Offices	Field Name Office Office_Code Currency Address_1 Address_2 Address_3 Country	Data Type Text Text Text Text Text Text Text Tex		
	Telephone_No	Text		

					orrect data orrect tele	a imported phone numbers	s added	1 mark 2 marks
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Salaries Table created

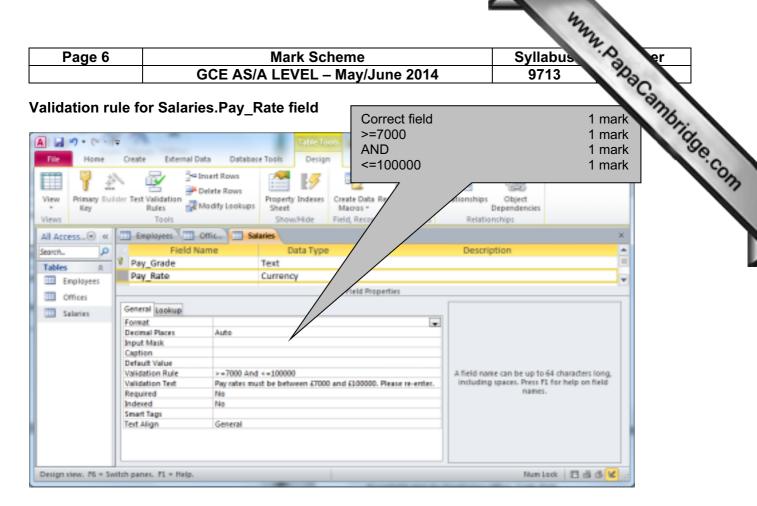
Correct table name	1 mark
Field names meet conventions	1 mark
Correct data types	1 mark
Pay_Grade as key field	1 mark

	Employees 🔲 Offic	Salaries	\square
1	Field Name	Data Type	
8	Pay_Grade	Text	
	Pay_Rate	Currency	



Input mask for Employees.Office_Code field

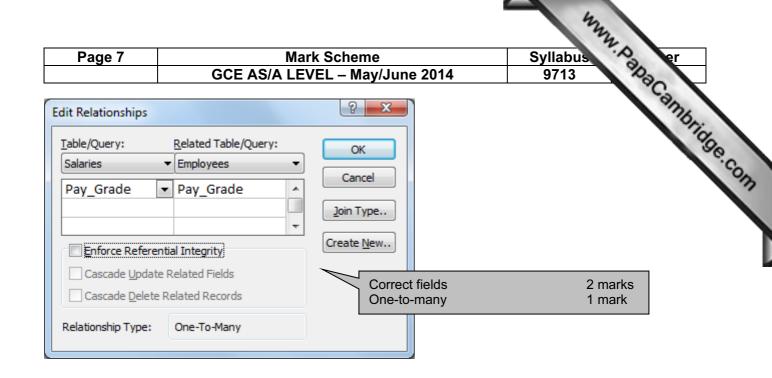
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Employees	Office Code		Text			
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	Pay_Grade		Text			*
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	Validation Rule				The maximum number of characters y	
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	Required	No			can set is 255. Press F1 for help on fie	
	Allow Zero Length	Yes				
	Indexed	Yes (Duplicate	s OK)			
	Unicode Compression	No				
	IME Mode	No Control				
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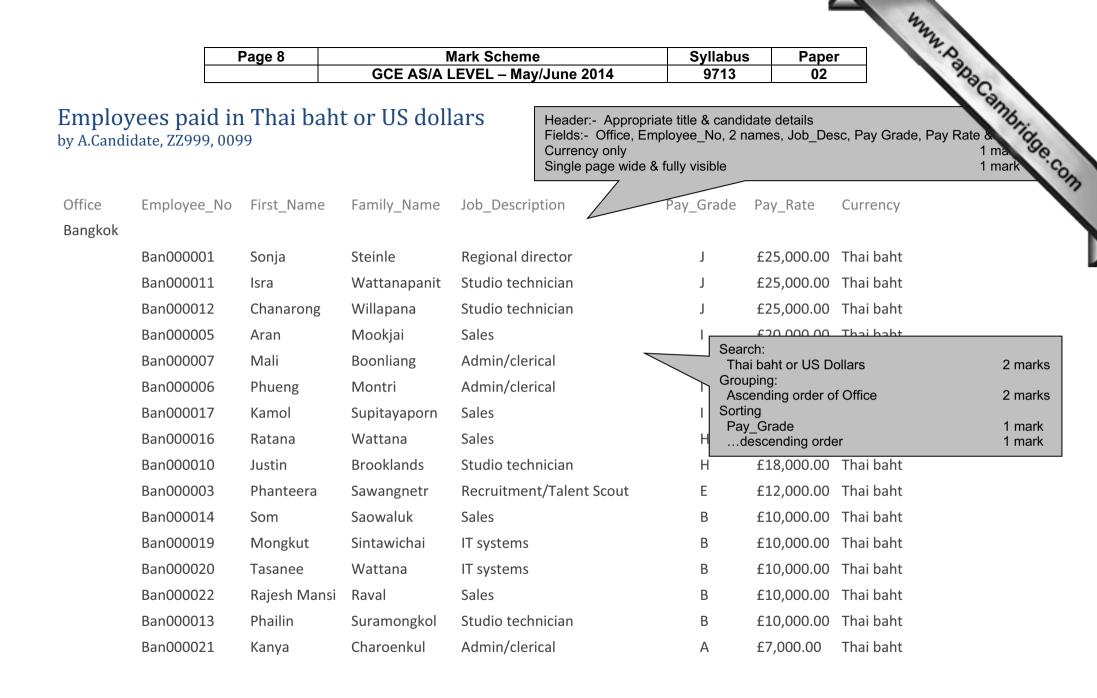


Text

	Appropriate text Including both parameters	1 mark 2 mark
Microsoft Access		
Pay rates must be between £7000 and £10000	0. Please re-enter.	
OK <u>H</u> elp		
Was this information helpful?		
Edit Relationships	Correct fields ?	2 marks 1 mark

	Contoot noido	2 marito
Edit Relationships	One-to-many	1 mark
Table/Query: Related Table/Query: Offices ▼ Employees ▼ Office_Code ▼ Office_Code ▼	Cancel	
Enforce Referential Integrity	Create New	
Cascade Update Related Fields		
Cascade Delete Related Records		
Relationship Type: One-To-Many		





Mark Scheme	Syllabus
GCE AS/A LEVEL – May/June 2014	9713

Denver

Page 9

	Den000001	Cindy	Brown	Office manager	J	£25,000.
	Den000010	Stuart	Guttermann	Sales	J	£25,000.
	Den000009	Steve	Brown	Sales	I	£20,000.
	Den000023	Moshe	Harris	Studio technician	Н	£18,000.
	Den000004	Tally	Telfer	Recruitment/Talent Scout	E	£12,000.
	Den000026	Lois	Thomas	IT systems	E	£12,000.
	Den000028	Kevin	White	Tours/Promotions crew	С	£11,000.
	Den000015	Tanon	Bridges	Studio technician	С	£11,000.
	Den000027	Elijah	Arnott	Tours/Promotions crew	С	£11,000.
	Den000024	Joshua	Bui	IT systems	С	£11,000.
	Den000020	Jayden	Anderson	Studio technician	В	£10,000.
	Den000022	Alejandro	Jackson	Studio technician	В	£10,000.
	Den000014	Karl	Bloomsfeld	Admin/clerical	А	£7,000.
è						
	Mal000001	Adi	Gunawardena	Regional director	J	£25,000.
	Mal000002	Arnav	Ranatunga	Sales	I	£20,000.
	Mal000006	Vihaan	De Silva	Admin/clerical	E	£12,000.
	Mal000004	Ananya	Perera	Recruitment/Talent Scout	E	£12,000.
	Mal000007	Saanvi	Jayasuriya	Admin/clerical	В	£10,000.
	Mal00008	Khushi	Gunawardena	IT systems	А	£7,000.

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Paper 02

0.00 US Dollars 0.00 US Dollars

Male

Page 10	Mark Scheme	Syllabus	Paper
	GCE AS/A LEVEL – May/June 2014	9713	02

New York

New000002	William	Davis	Regional director	К
New000022	Logan	Jackson	Admin/clerical	J
New000017	Aiden	Miller	Recruitment/Talent Scout	I
New000009	Liam	Williams	Sales	I
New000018	Luis	Hernandez	Admin/clerical	Н
New000019	Martina	Martinez	IT systems	G
New000004	Emma	Jones	Recruitment/Talent Scout	E
New000011	Olivia	Murphy	Sales	D
New000020	Ethan	Smith	Admin/clerical	А
New000012	Addy	Gomez	Sales	А

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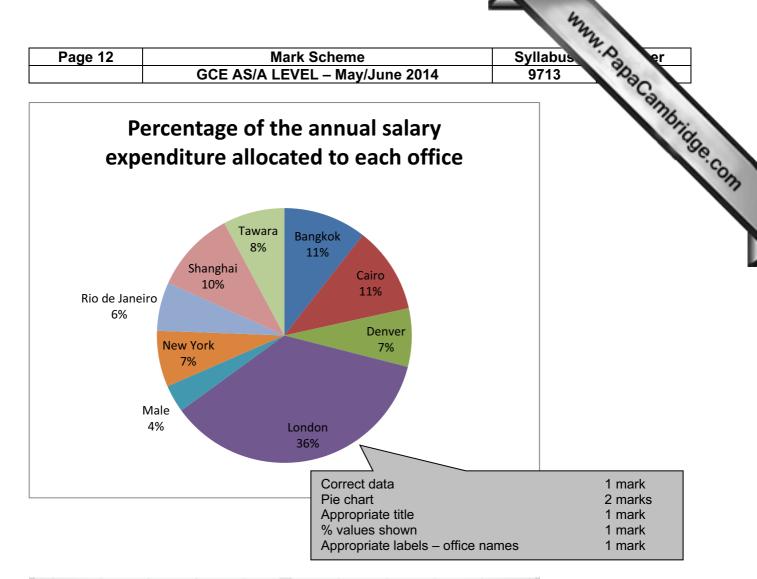
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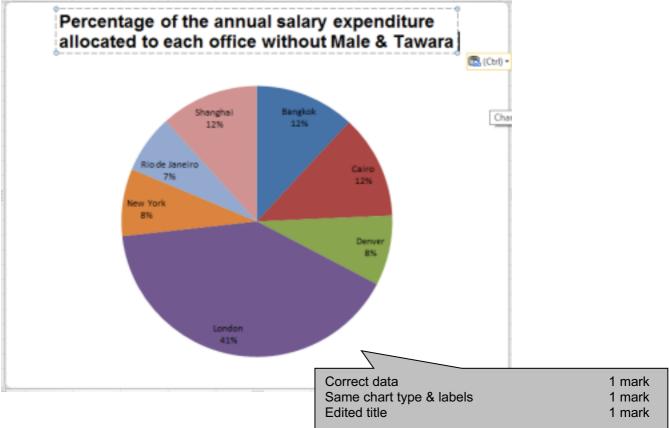
Page 11	Mark Scheme	Syllabus	Paper	MMM. Papac
Page 11	GCE AS/A LEVEL – May/June 2014	9713	Paper 02	2
average Pay_F	Rates for each office			ambridge.con
	Correct coloulated totals:	O		-0
£16,250.00	Correct calculated totals:	9 marks 1 mark		.2.
	Only these 2 columns fully visible Sorted ascending on Office	9 marks 1 mark 1 mark		·col
£16,250.00	Only these 2 columns fully visible	1 mark		·Col

Extract to calculate average Pay_Rates for each office

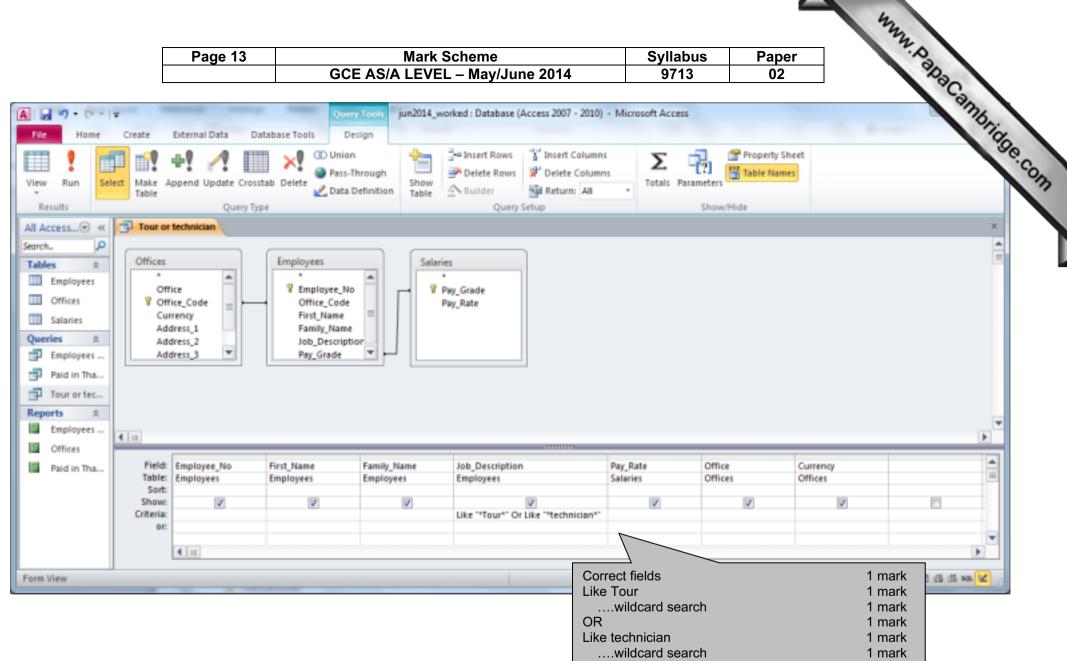
Office	Avg Of Pay_Rate
Bangkok	£16,250.00
Cairo	£15,027.78
Denver	£14,076.92
London	£16,407.41
Male	£14,333.33
New York	£17,550.00
Rio de Janeiro	£15,250.00
Shanghai	£16,000.00
Tawara	£14,807.69

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





Page 13 Mark Scheme **Syllabus** Paper GCE AS/A LEVEL – May/June 2014 9713 02



		Page 14	Mark Sc GCE AS/A LEVEL -		Ex V/	Syllabu 9713 Atraction to find R of employee To 2 places ALUE function to and /or autofilte	ight string number return numeric	1 mark 1 mark 1 mark 1 mark 1 mark 1 mark 1 mark
Employee_No	First_Name	Family_Name	Job_Description	Pay_Rate	Office	Currency		
Sha000006	Yi	Zhang	Tours/Promotions crew	11000	Shangha	i Yuan	=IF(VALUE(RIGHT(A22,2)))<10,"True","False")
Sha000007	Lan	Cheung	Tours/Promotions crew	11000	Shangha	i Yuan	=IF(VALUE(RIGHT(A23,2)))<10,"True","False")
Taw000008	Paulo	Villa	Studio technician	12000	Tawara	Aus Dollars	=IF(VALUE(RIGHT(A26,2)))<10,"True","False")
Lon000003	Clemantine	Leadbetter	Tours/Promotions director	45000	London	Sterling	=IF(VALUE(RIGHT(A45,2)))<10,"True" <i>,</i> "False")

Values printou	t			Correct result	s		2 marks
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

	Page 15		Mark Scheme			Syllabus	Paper	1 mark 1 mark
		GCE	E AS/A LEVEL – May/	/June 2014		9713	02	12
med range								
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Name: Exchange					Correct of			1 mark
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Currency Thai baht	OK Ca B 1 pound sterling = 49.3125	ancel	D	E	Contents New colu Lookup c	of J14exchan	nus	1 mark
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1	Currency	1 pound sterling =	_			_			
	Thai baht	₿49.31							
3	Egyptian pounds	EGP 9.62		[Correct calc	ulationa		1 mark	
4	US Dollars	\$1.58			Correct form			3 marks	
5	Real	R\$ 3.20			Correct formatting				
6	Yuan	¥10.0							
7	Sterling	£1.00							
8	Aus Dollars	\$1.52							
9									
10	Employee_No 🔻	First_Name	Family_Name 🔻	Job_Desc	ription 🔄 💌	Pay_Rate 🔻	Office 🔻	Currency 🔻	Bonus
31	Sha000006	Yi	Zhang	Tours/Promotic	ons crew	£11,000.00	Shanghai	Yuan	¥11,049.5
32	Sha000007	Lan	Cheung	Tours/Promotic	ons crew	£11,000.00	Shanghai	Yuan	¥11,049.5
35	Taw000008	Paulo	Villa	Studio technicia	an	£12,000.00	Tawara	Aus Dollars	\$1,822.02
54	Lon000003	Clemantine	Leadbetter	Tours/Promotic	ons director	£45,000.00	London	Sterling	£4,500.00
55									