

Mark Scheme (Results)

October 2020

Pearson Edexcel International Advanced Subsidiary In Information Technology (WIT4/01) Unit 4

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded.
 Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted. Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response

Note to examiners

Where example screenshots are included, these are indicative content only and not a definitive answer. Students should receive credit based on the marking instructions in the answer column.

Question	Ans	swer	Additional	Mark				
number			Guidance					
1(a)i	Pre	Presence check for Name						
	A1	Any suitable presence check		1				
		Required set to yes						
		OR validation rule of 'ls Not Null'						
	A2	Suitable error message eg	Must also	1				
		'You must input the trainer name"	have					
			suitable					
			validation					
			rule to					
			achieve					
			this mark					
			Total	2				
1(a)ii		List check for DaysAvailablePerWeek						
	А3	List box or combo box applied to		1				
		DaysAvailablePerWeek field						
	A4	Correct range		1				
		1;2;3;4						
			Total	2				

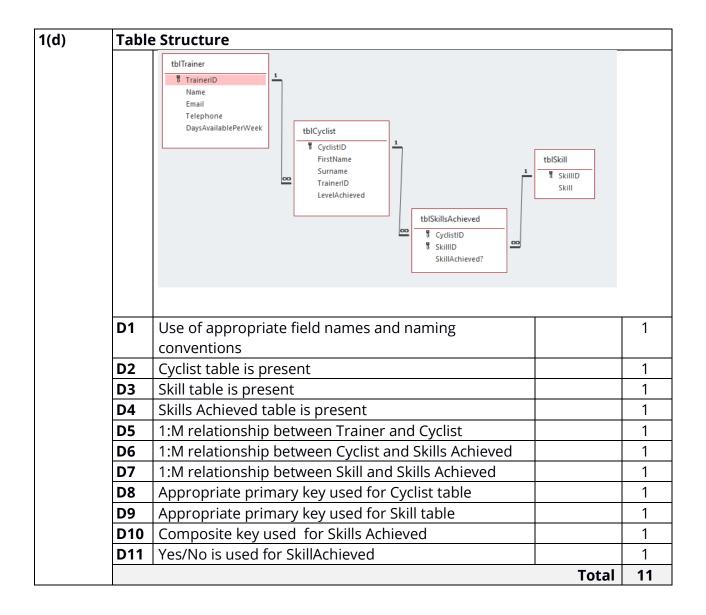
Question number	Ans	swer	Additional Guidance	Mark
1(b)	Tra	iner data entry form		
	B1	Data entry form displayed is empty		1
	B2	All fields trainer table included in form		1
	В3	TrainerID is disabled		1
	B4	TrainerID (design view)		1
		Any formula/method that is correct such as:		
		=Max(TrainerID)+1		
		OR = DMax("TrainerID", "tblTrainer")+1		
		OR sorted into descending order then TrainerID+1		
		OR		
		TrainerID (form view)		
		Screenprint clearly showing TrainerID as (New)		
		OR		
		Screenprint of table showing TrainerID as autonumber		
	B5	One from:		1
		Form labels are appropriate (not database field		
		names)		
		Form has meaningful title Franch and a form and a sound a sound a size of		
		 Entry boxes on form are resized appropriately to reflect the data they will be used to enter 		
		And one from:		
		Instructions on how to use		
		Asterisks		
	В6	Button present and suitably labelled e.g. Save / or		1
		suitable icon		
	B7	Suitable message displayed asking if data is to be saved		1
	B8	Save would be attempted only if user selects Yes		1
	В9	Record would save in correct table		1
			Total	9

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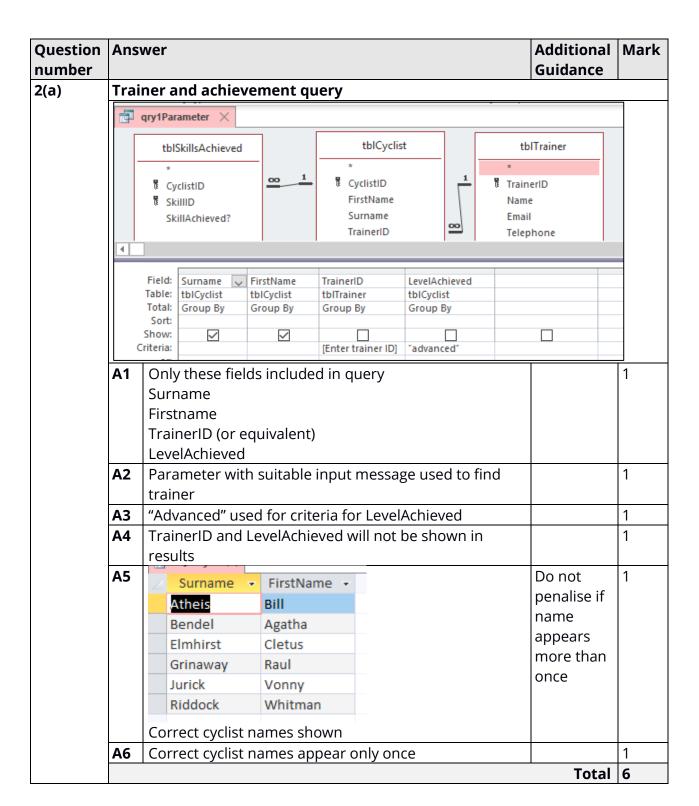
Name • should be split into two distinct fields, Firstname and Surname • should include a presence check on both fields to ensure both are present • should include a format check to make sure the first letter of each is uppercase Email Should be removed from the table and a new table created e.g. tblEmail • New table should include TrainerID as a foreign key to maintain the link with the trainer. This would allow a trainer to have many email addresses • New table should include a field to signify which of the email addresses is the primary one (if more than one) • Should have a format check to make sure email uses valid format • Would need validation to ensure at least one email address is present per trainer e.g. validation on the form Telephone Should include a length check of 11 • Should include a format check to ensure only digits are allowed • Should include a presence check to ensure a telephone number is present

Level	Mark	Descriptor			
	0	No rewardable material.			
Level 1	1-3	 Analysis is flawed or superficial, containing simple statements that show limited understanding of the subject matter. Solution may contain some aspects that are appropriate but is generally ineffective. 			
Level 2	4-6	 Analysis is sound, containing minor inaccuracies or omissions, showing some understanding of the given issue. Solution is workable but may have minor issues. 			
Level 3	7-9	 Analysis is sound and developed, containing ideas that are linked together in a fluent and logical way, showing a thorough understanding of the given issue. Solution is appropriate and workable. 			
		Total for question 9			

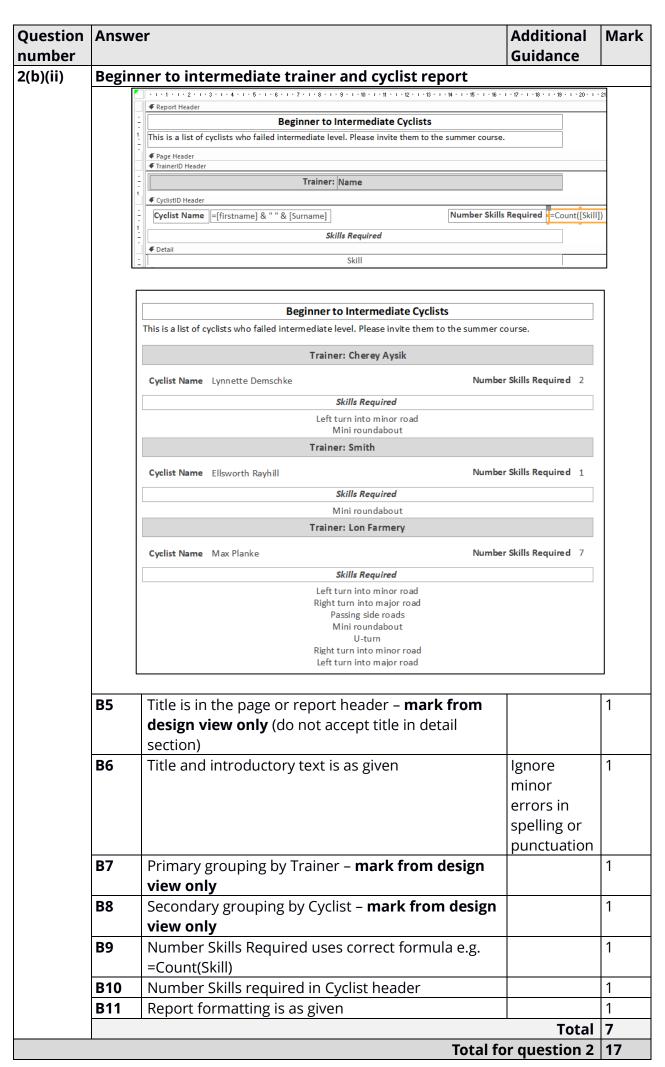
Question	Answer	Additional	Mark
number		Guidance	



Question number	Ans	swer	Additional Guidance	Mark
1(e)	Im	port	·	
	E1	Skill table – 19 records		1
	E2	Cyclist table – 60 records		1
	E3	Skills Achieved table – 1140 records		1
			Total	3
			Total for question 1	36



Question number	Ans	wer							Additional Guidance	Mark
2(b)(i)	Beginner to intermediate trainer and cyclist query									
		Field: Table: Sort: Show: Criteria:	CyclistID tblCyclist	FirstName tblCyclist	Surnam tblCycli	st	LevelAchieve tblCyclist		IIAchieved? SkillsAchieved	
		or:	SkillID		Skill	Tr	ainerID	Name		
			tblSkillsAch	nieved	tblSkill	_	lTrainer	tblTrair	ner	
			Between 6	And 13	\square		\checkmark	5	2	
	B1	Critoria co				trai	ner, skills	, skills	follow through on any missing tables so long as at least two different tables in database	1
	B2		rrect for ginner" "failed"	LevelAch	ileved					1
	В3	Correct cri no fals		SkillAchie	eved? e.g	5.				1
	B4	Bet>5>=6Bet	tween 6 a and <14 5 and <=1	nd 13 3 ind 13 so	long as	Leve	elAchieved	d is		1
									Total	4



Question number	Answe	r				Additional Guidance	Mark		
3a	Query for Chart								
	Field: Table: Total:	tblSkill Group By	Achievement: [N	lumAchieved]/60*100	NumAch tblCyclis Count	ieved: CyclistID t			
	Sort: Show: Criteria			abla		\checkmark			
			SkillID tbISkill Group By	SkillAchieve tblSkillsAchi Group By					
	A1 Fie	elds include: Skill SkillID SkillAchie					1		
	A2 Cri	teria correct f	or SkillID e.g. 14 and 19 20				1		
	A3 Cri	teria correct for Yes True "0" 0		ved? e.g.			1		
	A4 Nu	mber of cyclis Count(Cyc		alculated correc	tly e.g.		1		
	A5 Ac	hievement cal					1		
	A6 At			amed sensibly			1		
	,			,		Total	6		

Question number	Ans	swer			Additional Guidance	Mark
3(b)(i)	Cha	ırt				
			∠ Skill ▼	Achievemer	nt 🔻	
			Pass queuing traffic		90.0	
			Perceive and deal with hazards		91.7	
			Prepare for a journey		93.3	
			React to hazardous road surfaces		91.7	
			Understand advanced road positioning		93.3	
			Understand driver blind spots		91.7	
		T	Chart data			ı
	B1	Bar/colun	nn/pie chart created			1
	B2	Meaningf	ul chart title used			1
	В3	Axis show	s skill description			1
	B4	Bar/colum	nn			1
		• At	least one axis shows suitable label			
		Pie				
		• Su	itable legend			
	B5	Bar/colun	nn			1
		• Ax	is contains suitable scale			
		• Or	data values are shown			
		Pie				
		• Da	ta values are shown			
	В6	Data valu	es are formatted as %			1
	B7	Data value	es have a maximum of 2 decimal plac	es	Must	1
			·		achieve B6	
					to achieve	
					this	
	В8	Chart is fi	t for purpose			1
	Bar/column					
		• No	legend			
		 Ap 	propriate sizing of elements on page	(e.g. title		
		lar	ger than axis labels, data labels)			
		Pie	- '			
		• Ap	propriate sizing of elements on page	(e.g. title		
		-	ger than legend labels, data labels)			
			<u> </u>		Total	8

Question number			Additional Guidance	Mark		
3(b)(ii)	PDF					
	В9	Screenprint clearly shows the chart is contained in a		1		
		pdf document				
			Total	1		
Total for question 3						

Question	Ans	swer	Additional	Mark
number			Guidance	
4	Das	shboard		
	A1	Four appropriately labelled buttons		1
	A2	Data entry form would open and query would run		1
	А3	Chart would open for viewing		1
		Query would open for viewing		
		Report would print without opening report / report		
		would print after report opened		
			Total	3
		Total for	question 4	3

Question number	Answer	Additional Guidance	Mark
5	Indicative content		9
	 Note: Analysis and recommendations must be based on the content of Figure 2 e.g. May discuss LevelAchieved being removed from Cyclist table as could be generated from the skills completed. However, the extract does not show the recording of skills Do not have to discuss or consider achievement as not shown in extract. 		
	Analysis Fields The database does not currently have Course Start Date Level DOB Age Parental Consent Trainer The trainer name is already in the trainer table Cyclist CyclistID, Firstname and Surname is already in the cyclist table. Cyclist Age can be generated from DOB and today's date so does not need storing. Storing it could lead to anomalies as it would need updating every year Level A level has a range of skills associated with it Courses There can be many courses A trainer can run many courses, but a course can only have 1 trainer There can be many courses for a level, but a course can only have 1 level A course can have many cyclists and a cyclist can do many courses Recommendations Level table would include a primary key such as LevelID and a LevelDescription such as Beginners		
	Skills table		

amended to include LevelID as a foreign key to create a link between the level and skills required
Cyclist table
should include three new fields DOB, School
Consent and Parental Consent
TrainerID should be removed from here as the
trainer is now linked to the course.
Course table
should be created and include CourseID as
primary key, Course Start Date, Course End
Date, TrainerID and LevelID as foreign keys
CourseEnrolment
should be created and include CourseID and
CyclistID as a composite key

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Total for question 5 9			

