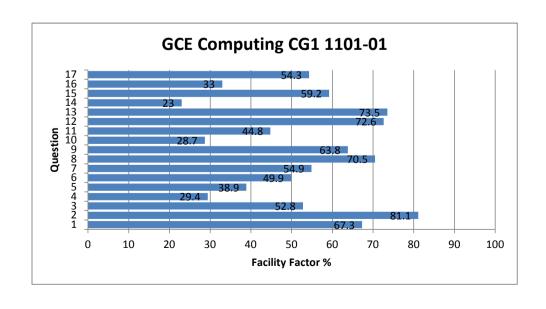


WJEC 2014 Online Exam Review

GCE Computing CG1 1101-01

All Candidates' performance across questions

?	?	?	?	?	?	?	
Question Title	N	Mean	S D	Max Mark	F F	Attempt %	
1	2588	3.4	1.3	5	67.3	99.9	
2	2590	4.9	1.3	6	81.1	100	\leftarrow
3	2590	5.3	2.4	10	52.8	100	\leftarrow
4	2580	1.5	1.3	5	29.4	99.6	`
5	2576	2.3	1.3	6	38.9	99.5	
6	2567	1.5	1	3	49.9	99.1	\leftarrow
7	2334	2.2	1.7	4	54.9	90.1	
8	2587	3.5	1.4	5	70.5	99.9	
9	2578	3.8	1.9	6	63.8	99.5	
10	2546	0.9	0.8	3	28.7	98.3	
11	2568	4	2.3	9	44.8	99.2	
12	2570	3.6	1.5	5	72.6	99.2	
13	2581	2.9	0.8	4	73.5	99.7	
14	2560	1.2	1.1	5	23	98.8	
15	2523	4.1	2.2	7	59.2	97.4	
16	2559	2	1.2	6	33	98.8	
17	2547	6	2.3	11	54.3	98.3	



- 2. Information about a diving competition is stored on a computer system. Competitors are awarded a mark out of 10 for each dive, for example 8.7 and each competitor must make six dives.
 - (c) Draw a diagram to show how the **six** dive scores for each of the competitors might sensibly be stored in a two-dimensional array. [2]



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Turn over.

Time for Dives (Scores) 2 5 3 8-3 8.1 7.5 6.9 8.2 18.3 . . . 100 Naruto $k_{ij}^{*}(t) k_{ij}^{*}$ \$69 X V. .

2 marks

1	Dowe 1	John	bob	
	8.7	q 3	6.4	
2	9.2	8.9	7-5	
3	7-9	8.8	8.9	
4	8-2	7.8	6.8	
5	6-9	8.5	9-2	-
6	7	9.1	7.3	

	Dowe 1	John	bob	
\Box	8.7	q.3	6.4	
2	9.2	8.9	7-5	
3	7-9	8.8	8.9	
4	8-2	7.8	8.8	
-5	6-9	8.5	9-2	-
6	7	9.1	7.3	



	127	\$12md	3d- 1	29202
MARK	62	5.1	6.8	
MAZ	7.3	8.2	6.5	
		1	1	1

MARK 62 5.1 6.8 SAM 7.3 8.2 6.5		127	\$12md	30-	2 8 2 82
SAM	MARK	62	5.1	6.8	
	MAZ	7.3	8.2	6.5	

2

3.	(b)		cks will be applied to the data when the existing member details are entered into the computerised system.
		(i)	One item of data that is validated is the total number of whole years that they have been a member. Describe a suitable validation check that could be carried out in this case. Give an example of invalid input data that would be detected by this check. [2]
		(ii) 	One item of data that is verified is the member's postcode. Describe a suitable verification check that could be carried out on the member's postcode and describe how this check would detect input errors . [2]



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Turn over.

3.	(b)	Checks will be applied to the data when the existing member details are entered into the new computerised system.
		(i) One item of data that is validated is the total number of whole years that they have been a member. Describe a suitable validation check that could be carried out in this case. Give an example of invalid input data that would be detected by this check.
		A dota type creck can be used to essure
		the atom data is an integer larget
		deta includes "A", "#" or "2.7."
		(ii) One item of data that is verified is the member's postcode. Describe a suitable verification check that could be carried out on the member's postcode and describe how this check would detect input errors . [2]
		A double orby respication men attack can be
		used while the posticide his to be
		extend the the post code his to be extend their and then one compared, if
		they do not rotch then on input
		evar is detected

(i) One item of data that is validated is the total number of whole years that they have been a member. Describe a suitable validation check that could be carried out in this case. Give an example of invalid input data that would be detected by this check.
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A double entry recipication man attack can be
used while the posticide his to be
extend fince and then are compared, is
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3.	(b)	Chec	ks will be applied to the data when the existing member details are entered into the computerised system.
		(1)	One item of data that is validated is the total number of whole years that they have been a member. Describe a suitable validation check that could be carried out in this case. Give an example of invalid input data that would be detected by this check.
		314043000	A Type Check eould be carried our as
		ROWERING	the whole number eggot years that they have
		2000	been a member most be an integer.
			An example of invalid data is "183".
		10000000	
		(ii)	One item of data that is verified is the member's postcode. Describe a suitable verification check that could be carried out on the member's postcode and describe how this check would detect input errors . [2]
			Double entry could be carried out on the
		total & Market A	member's postcode to verify it. This
			postcode twice, and the computer companes
		9939989	them to ensure they are identical. It they
			aren't a message will appear informing the user
			·

tered into th	ecks will be applied to the data whe v computerised system.
e carried ou	One item of data that is validated been a member. Describe a sui in this case. Give an example of check.
as	A Type Check eo
	the whole number
	been a member
3 .	An example of java
	i de l'imperimentation de l'entre de la company de la comp
ostcode and	One item of data that is verified verification check that could it describe how this check would describe the describe that the describe the described the
ostcode and [2	verification check that could it describe how this check would d
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ostcode and [2]	verification check that could be describe how this check would be Double entry could member's postcod
ostcode and [2]	verification check that could be describe how this check would describe how the could be described and the could be described as a c
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ostcode and [2] the s mpajes // Huey	verification check that could be describe how this check would describe how the could be described and the could be described as a c

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		(i) One item of data that is validated is the total number of whole years that they have been a member. Describe a suitable validation check that could be carried out in this case. Give an example of invalid input data that would be detected by this check.
		You can use Character Chack. An integer would
		be used to identify the number of whole years
		So characters Such as a letter (A) would
		be invalid. An individual cannot work for
		"A" Hears -
		V
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		Double-enly can be used The user can input
		the Same postcode twice to ensure there were
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Double-entry can be used The user can imput
the Same postcode twice to ensure there were
no inpul exors.

6. A section of a spreadsheet is shown below that should determine whether a person is an adult or not.

	Α	В	С
1			
2	Adult Age	18	
3			
4	Name	Age	Adult YES or NO
5			
6	Harry Smith	17	
7	Bethan Lloyd	19	
8	Gary Chan	21	Lungay, mangang mangan

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18. [2]

A section of a spreadsheet is shown below that should determine whether a person is an adult or not.

	A	В	C
2 A	dult Age	18	
3			
4 N	ame	Age	Adult YES or NO
5		**************************************	1
6 H	arry Smith	17	
7 B	ethan Lloyd	19	
8 G	ary Chan	21	
S	ary Chan	21	

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18.
 [2]

IF B6 > B2 GULPUT "Address yes: Else output "Man No"

	A	В	С
1			
2	Adult Age	18	
3			
4	Name	Age	Adult YES or NO
5			
6	Harry Smith	17	
7	Bethan Lloyd	19	
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1

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	A	В	C	
1				
2	Adult Age	18		1 1/
3				1. 8.7
4	Name	Age	Adult YES or NO	1
5				1
6	Harry Smith	17	A PART OF THE PART	NOT
7	Bethan Lloyd	19		etce
8	Gary Chan	21		1)

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18. [2]

If (B6>=18) (echo "YES"); Else (echo "NO") Ed

	A	В	C
1		and Visite Arman SV Last William	
2	Adult Age	18	
3		2330000 X 22 00 00 00 00 00 00 00 00 00 00 00 00	
4	Name	Age	Adult YES or NO
5			
6	Harry Smith	17	
7	Bethan Lloyd	19	
8	Gary Chan	21	

NOT AND EXCEL FORMULA

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18.
[2]

If (B6>=18) {echo" 7Es"}

Else Secho "NO"

1

A section of a spreadsheet is shown below that should determine whether a person is an adult or not.

	A	В	C
1	***************************************		
2	Adult Age	18	
3			
4	Name	Age	Adult YES or NO
5			
6	Harry Smith	17	
7	Bethan Lloyd	19	
8	Gary Chan	21	

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18.
 [2]

= IF (B6 = B\$2\$, YES, NO)

	A	В	C
1			
2	Adult Age	18	
3			
4	Name	Age	Adult YES or NO
5			
6	Harry Smith	17	
7	Bethan Lloyd	19	
8	Gary Chan	21	

(a) Write a formula for cell C6 using the cell references from the spreadsheet to output YES if the person is 18 or older and NO if they are younger than 18. [2]

2