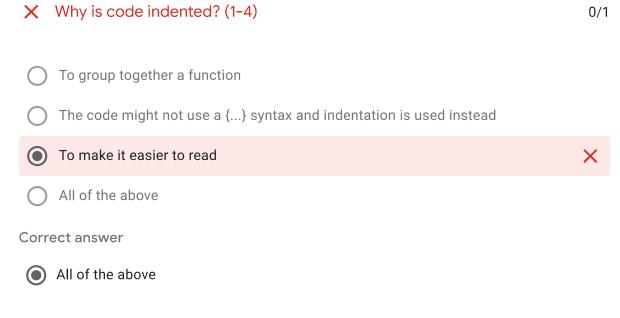
2.3 Robust programming Total points 17/24 Email * william.dargan@adamsgs.uk Which of these is not a method for ensuring a program is robust? (1-4) 1/1 Keeping passwords safe **Data Validation** Authentication **Data Sanitisation** X Why is code indented? (1-4) 0/1



★ What is data validation? (1-4)	0/1
Checking that the data entered is wrong	
Checking that the data entered is correct	×
Checking that the data entered is sensible or reasonable	
Correct answer	
Checking that the data entered is sensible or reasonable	
✓ Which is these IS NOT an example of validation (1-4)	1/1
Checking the number entered is 2 digits	
Asking a user to enter the same data in twice	✓
Use of a Lookup table	
Use of a presence check	
✓ What does a range check do? (1-4)	1/1
Checks data across a range of numbers	
Checks the data is within an acceptable range	✓
Where three types of data are used	
Checks that the data is in the correct format	

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✓ Which one of these is not a method for planning for misuse? (1-4)	1/1
Limiting the number of login attempts	
Requesting a password and user name	
Authentication	
Not validating the data entry	✓
✓ What is Maintainability? (1-4)	1/1
Checking programs work	
How easy it is to update or fix code	✓
Testing a program for errors	
Training staff to use the program correctly	
Which of these are not methods for planning for misuse? (1-4) Tick all that apply	0/1
Stripping unwanted characters	
Removing duplicated letters	
Converting lowercase to uppercase Letters	×
Converting large numbers to smaller numbers	✓
Calculating answers from formula	✓
Correct answer	
Converting large numbers to smaller numbers	
Calculating answers from formula	

✓ Which of these is not a method for authenticating a user? (4-6)	1/1
Password	
Password and Username	
Finger print scanner	
Encryption	✓
✓ When should comments be used within a program? (4-6)	1/1
To help describe what code and structures are expected to do	✓
To remind the developer of when lunch is	
To include what tests must be carried out on the code	
Every line - so that you know exactly what is happening	
✓ What is defensive programming design? (4-6)	1/1
Making your code / program error free	
Creating code that is easy to use and understand	
A method of ensuring that your code is not misused	✓
Code where the data is validated	

✓	A user attempts to enter in an incorrect password, what method would identify this issue? (6-8)	1/1
0	Data Validation	
	Authentication	✓
0	Program Comments	
\bigcirc	Indentation	
×	A user enters in extra data attempting to access the system, which method would identify this issue? (6-8)	0/1
0	Data Validation	
0	Input Sanitisation	
	Input Check Format	×
0	Check Question	
Corr	ect answer	
•	Input Sanitisation	

/	What is the difference between Data Validation and Input Sanitsation? (6-9)	1/1
0	Nothing - they are the same	
•	Data Validation checks the data is reasonable and Sanitsation removes unexpected or unrequired data	✓
0	Data Validation checks the data is correct and Sanitsation removes data that contains errors	
0	Sanitisation checks the data is correct and Validation removes invalid	
0	Calculating answers from formula	
~	When is terminal testing carried out?	1/1
0	Before you start programming	
•	When the program is finished	✓
0	During the project	
0	After the design section	
~	When is a runtime error identified?	1/1
	When a program runs	✓
0	Before a program runs	
0	When a program is compiled	

★ Which line contains a syntax error?	0/1
print ("hello")	
sprint("Hello")	×
print("hello)	
print("HELLO")	
Correct answer	
print("hello)	
✓ What is iterative testing?	1/1
Testing completed after an error is found	
Random tests on a computer program	
Tests completed as the program is being coded	✓
Tests which are planned	
✓ When a program runs it asks the user to enter their age. Which data would be most suitable to test for an incorrect piece of data being entered?	1/1
O 44	
O 1	
97	
Forty Five	✓

✓ Testing while coding a program is called?	1/1
Development TestingCoder Testing	
O Terminal Testing	
lterative Testing	✓
X Which of these is appropriate data for a range test for a youth club?	0/1
10 - 20 years	
● 16 - 19 years	×
13 - 19 years	
13 - 23 years	
Correct answer	
● 13 - 19 years	
✓ What is a null value test on data entry?	1/1
O Data that does not have a value such as a name or phone number	
Data that is not entered in order to test how the program responds	✓
O Data that has a value of zero	
O Data that is incorrect	

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 □ 18.6 □ 99 □ Twenty-Five □ 17 years 5 months □ Calculating answers from formula X What is the purpose of testing? □ To identify errors □ To identify issues that may occur when a customer uses the program □ To test the security of the program □ All of the above Correct answer □ All of the above 	✓ Which datum below is a valid test for an age field?	1/1
Twenty-Five 17 years 5 months Calculating answers from formula X What is the purpose of testing? 7 to identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer	18.6	
 17 years 5 months Calculating answers from formula X What is the purpose of testing? To identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer 	③ 99	✓
Calculating answers from formula What is the purpose of testing? To identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer	Twenty-Five	
 What is the purpose of testing? To identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer	17 years 5 months	
 To identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer	Calculating answers from formula	
 To identify errors To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer		
To identify issues that may occur when a customer uses the program To test the security of the program All of the above Correct answer	X What is the purpose of testing?	0/1
To test the security of the programAll of the aboveCorrect answer	To identify errors	
Correct answer	To identify issues that may occur when a customer uses the program	×
Correct answer	To test the security of the program	
	All of the above	
All of the above	Correct answer	
	All of the above	
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