

## MCQS Unit 2.3 Robust Programs

### Lesson 1 Testing Programs

<b>Question 1: Which of these is not a method for ensuring a program is robust? (1-4)</b>	✓
Keeping passwords safe	
Data Validation	
Authentication	
Data Sanitisation	
<b>Question 2: Why is code indented? (1-4)</b>	✓
To group together a function	
The code does not use a { syntax and indentation is used instead	
To make it easier to read	
All of the above	
<b>Question 3: What is data validation? (1-4)</b>	✓
Checking that the data entered is wrong	
Checking that the data entered is correct	
Checking that the data entered is sensible or reasonable	
<b>Question 4: Which of these authentication methods is most secure? (1-4)</b>	✓
Password	
Password and username	
Key Card	
Physical and Code	
<b>Question 5: Which of these IS NOT an example of validation (1-4)</b>	✓
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	
<b>Question 6: What does a range check do? (1-4)</b>	✓
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	
<b>Question 7: When a program runs it asks the user to enter their full name. Which is an example of Valid data? (4-6)</b>	✓
Mr Jones	
Sarah	
Sarah Jones	
Mrs Jones	

**MCQS**

<b>Question 8: Which one of these is not a method for planning for misuse? (1-4)</b>	✓
Limiting the number of login attempts	
Requesting a password and user name	
Authentication	
Not validating the data entry	
<b>Question 9: Which is a not method of authentication (1-4)</b>	✓
Password	
Password and user name	
Pattern Password	
Finger print password	
<b>Question 10: What is Maintainability? (1-4)</b>	✓
Checking programs work	
Updating Code so that it is compatible with current requirements	
Testing a program for errors	
Training staff to use the program correctly	
<b>Question 11: Which one of these is not a method for planning for misuse? (1-4)</b>	✓
Stripping unwanted characters	
Removing duplicated letters	
Converting lowercase to uppercase Letters	
Converting large numbers to smaller numbers.	
Calculating answers from formula	
<b>Question 12: Which of these is not a method for authenticating a user? (4-6)</b>	✓
Password	
Password and Username	
Finger print scanner	
Encryption	
<b>Question 13: Why are comments used in a program? (4-6)</b>	✓
It is required to make the program run	
Comments pad out the program and make it look more professional	
To keep the user aware of any program errors and issues.	
To help security in the code	
<b>Question 14: When should comments be used within a program? (4-6)</b>	✓
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	

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<b>Question 15: What is defensive programming design? (4-6)</b>	✓
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	
<b>Question 16: A user attempts to enter in an incorrect password, what method would identify this issue? (6-8)</b>	✓
Data Validation	
Authentication	
Program Comments	
Indentation	
<b>Question 17: A user enters in extra data attempting to access the system, which method would identify this issue? (6-8)</b>	✓
Data Validation	
Input Sanitisation	
Input Check	
Format Check	
<b>Question 18: A program has a section of code that could cause errors, which method could be used to identify this issue? (6-9)</b>	✓
Maintainability	
Authentication	
Program Comments	
Indentation	
<b>Question 19: What is the difference between Data Validation and Input Sanitsation? (6-9)</b>	✓
Nothing, they are the same?	
Data Validation checks the data is reasonable and Sanitsation removes unexpected or unrequired data.	
Data Validation checks the data is correct and Sanitsation removes data that contains errors	
Sanitsation checks the data is correct and Validation removes invalid	
Calculating answers from formula	
<b>Question 20: A section of a program has recently stopped working, which method could be used to resolve this issue? (6-9)</b>	✓
Data Validation	
Input Sanitsation	
Maintainability	
Authentication	

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