Brighter Blue

Core Testing>Day 5>Basic Testing

Instructor Guide

IBM

Brighter Blue

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MODULE 01: TEST ARTEFACTS AND DELIVERABLES 3

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Module 01: Test Artefacts and Deliverables

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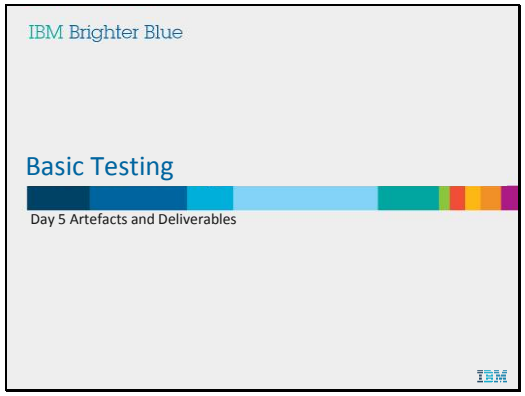
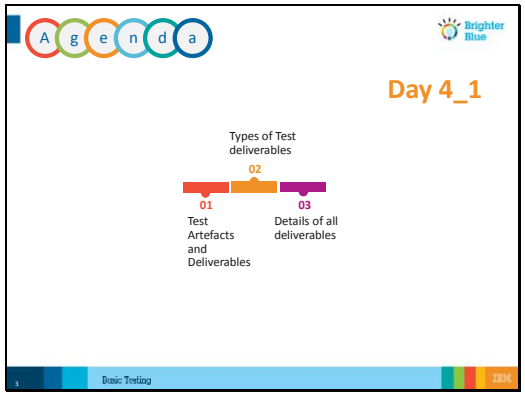
Slide 1  	
Slide 2  This course consists of one module which is divided into three sections, each describing the various aspects of Test Artefacts and Deliverables	

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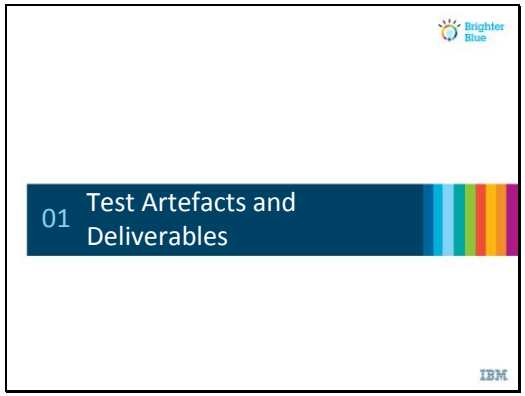
Slide 3  At the end of this module, you should be able to: • Define what are Test Artefacts and Deliverables • List the different types of deliverables • Discuss in detail about all the deliverables	
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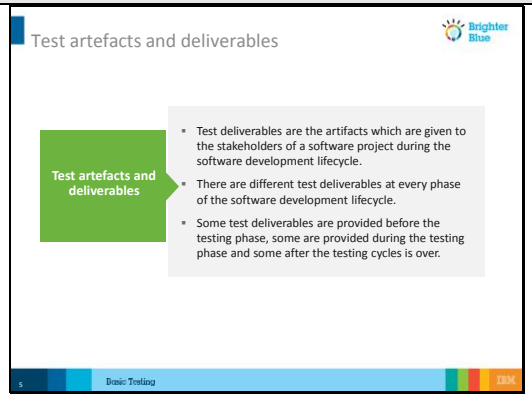	
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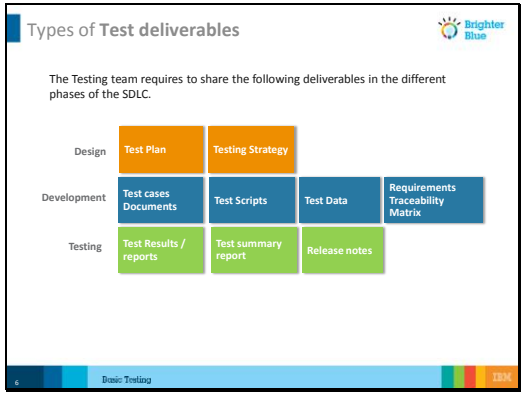	
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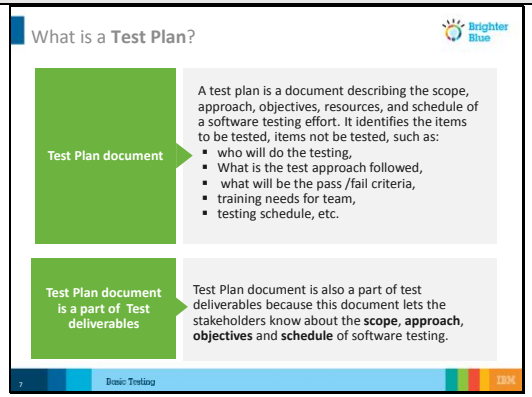	
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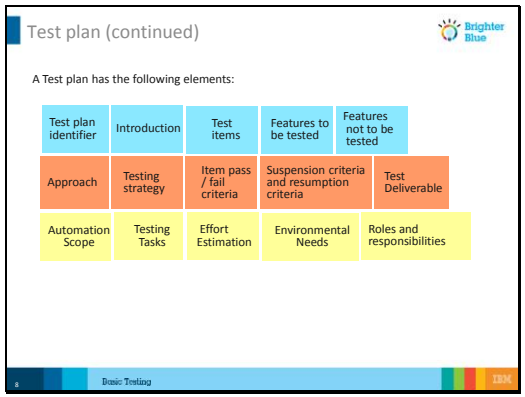	
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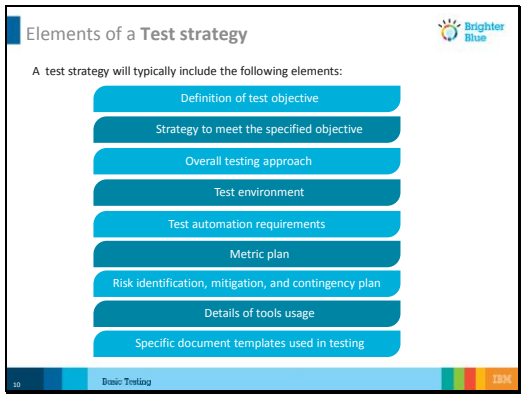	
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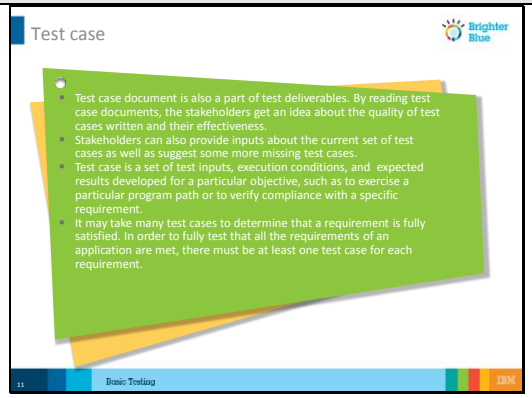	
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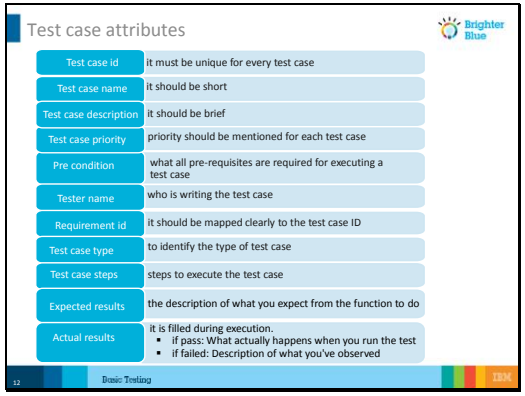	
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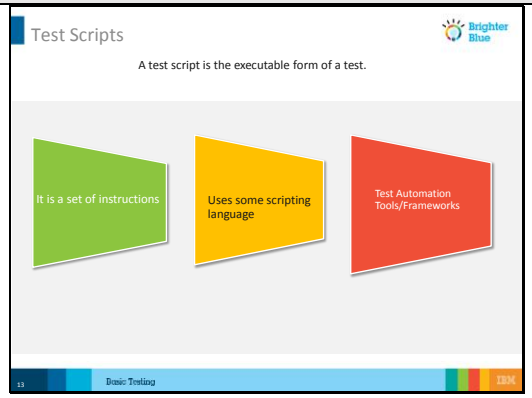

- A **Test Script** is a set of instructions (written using a scripting/programming language) that is performed on a system under test to verify that the system performs as expected. Test scripts are used in automated testing.

Uses some scripting language - Some scripting languages used in automated testing are:

—JavaScript

—Perl

—Python

—Unix Shell Script

—VBScript

- **s** - There are also many Test Automation Tools/Frameworks that generate the test scripts for you; without the need for actual coding. Many of these tools have their own scripting languages (some of them based on a core scripting languages). For example, Sikuli, a GUI automation tool, uses Sikuli Script which is based on Python

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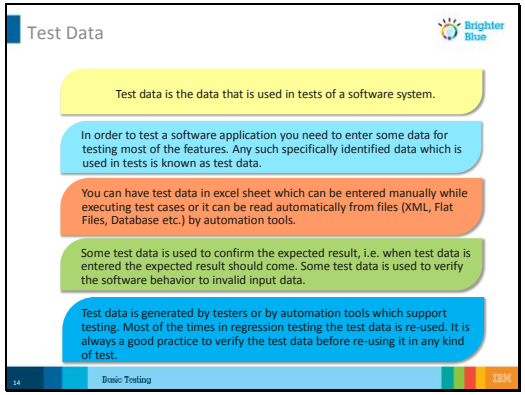
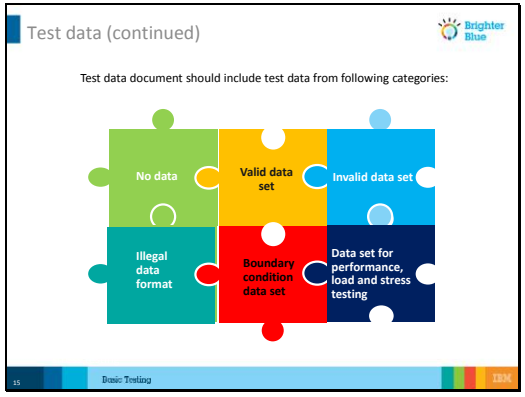
Slide 13  	
Slide 14  • **No data:** Run your test cases on blank or default data. See if proper error messages are generated.	

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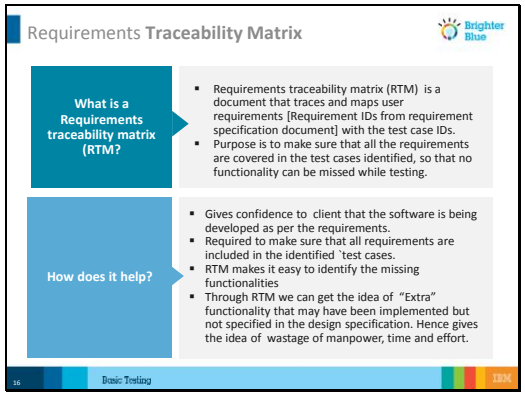
Valid data set: Create it to check if application is functioning as per requirements and valid input data is properly saved in database or files. • **Invalid data set:** Prepare invalid data set to check application behavior for negative values, and alphanumeric string inputs. • **Illegal data format:** Make one data set of illegal data format. System should not accept data in invalid or illegal format. Also check proper error messages are generated. • **Boundary condition data set:** Data set containing out of range data. Identify application boundary cases and prepare data set that will cover lower as well as upper boundary conditions. • **Data set for performance, load and stress testing:** This data set should be large in volume.	
Slide 15  	
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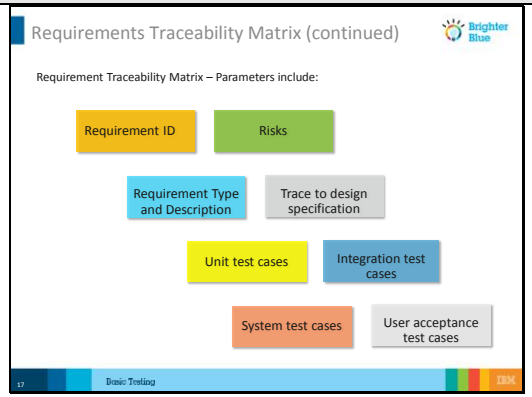	
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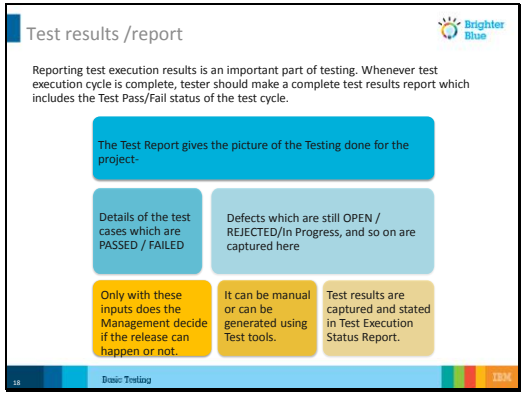	
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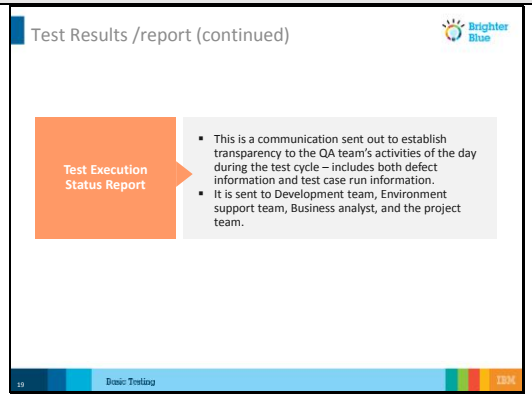	
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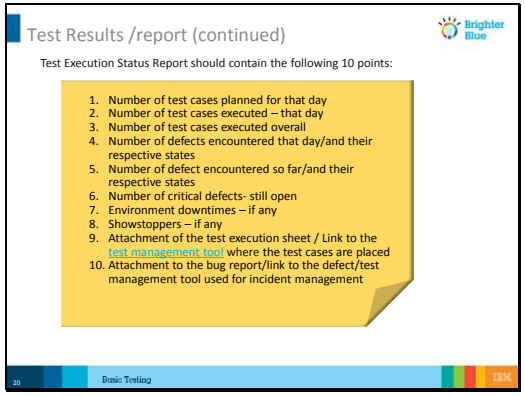	
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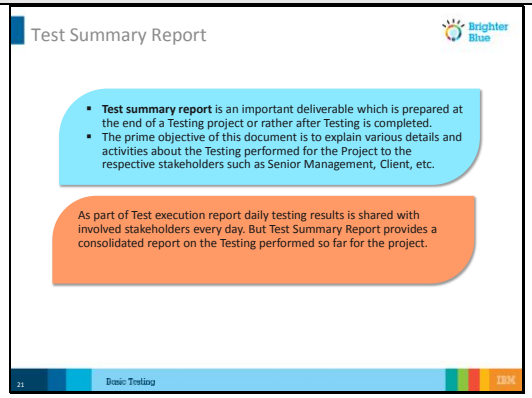
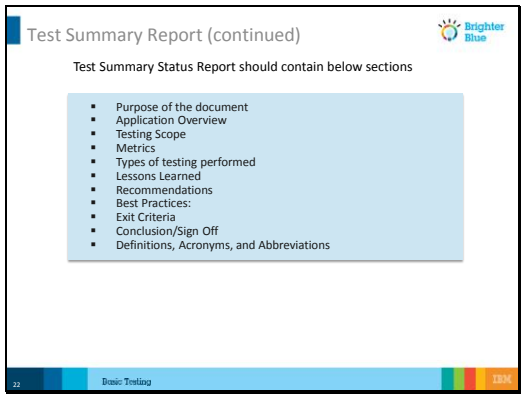
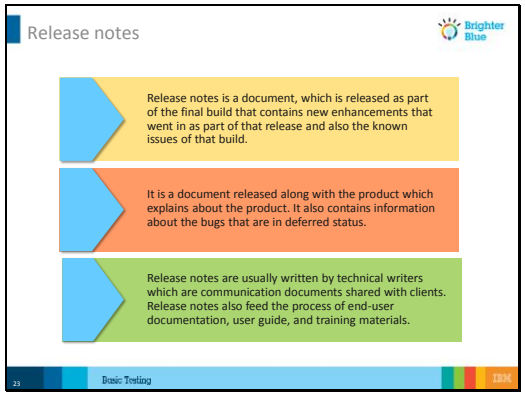
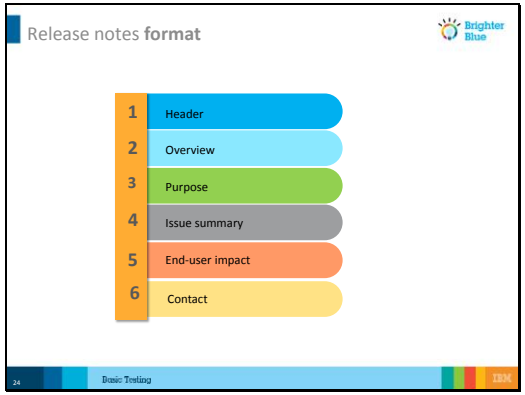
	
Slide 21  • **Purpose of the document:** Short description about the objective of preparing the document • **Application Overview:** Brief description about the application tested • **Testing Scope:** This section explains about the functions/modules in scope and out of scope for testing; Any items which are not tested due to any	

Slide Content	Use this space for your own notes
constraints/dependencies/restrictions • **Metrics:** Metrics will help to understand the test execution results, status of test cases and defects and so on. Required Metrics can be added as necessary. Example: Defect Summary-Severity wise; Defect Distribution-Function/Module wise; Defect Ageing and so on. Charts/Graphs can be attached for better visual representation • **Types of testing performed:** Describe the various types of Testing performed for the Project. This will make sure the application is being tested properly through testing types agreed as per Test Strategy. • **Test Environment and tools:** Provide details on Test Environment in which the Testing is carried out. Server, Database, Application URL and so on. If any Tools were used like Quality Center (now HP ALM) for logging defects • **Lessons Learned:** This section is used to describe the critical issues faced and their solutions (how they were solved during the Testing). Lessons learnt will help to make proactive decisions during the next Testing engagement, by avoiding these mistakes or finding a suitable workaround • **Recommendations** : Any workaround or suggestions can be mentioned here • **Best Practices:** There will be lot of activities done by the Testing team during the project. Some of them could have saved time, some proved to be a good and efficient way to work, and so on. These can be documented as a 'Value Add' to show case to the Stakeholders • **Exit Criteria:** Exit Criteria is defined as a Completion of Testing by fulfilling certain conditions like (i) All planned test cases are executed; (iI) All Critical defects are closed and so on. • **Conclusion/Sign Off:** This section will mention whether the Testing team agrees and gives a Green signal for the application to 'Go Live' or not, after the Exit Criteria was met. If the application does not meet the Exit Criteria, then it can be mentioned as – "The application is not suggested to 'Go Live'. It will be left with the decision of Senior Management and Client and other Stakeholders involved	

Slide Content	Use this space for your own notes
to take the call on whether the application can 'Go Live' or not • **Definitions, Acronyms, and Abbreviations** :This section mentions the meanings of Abbreviated terms used in this document and any other new definitions	
Slide 22 	
Slide 23  • **Header**: Name of the document, which carries product name, release number,	

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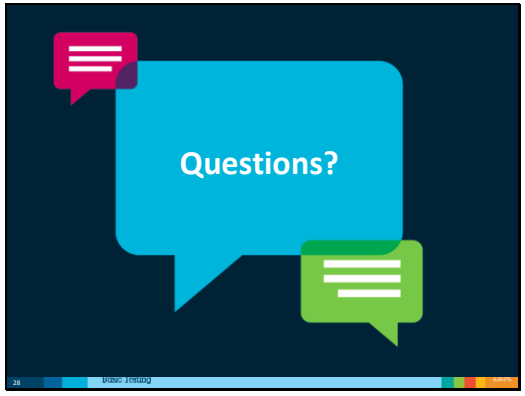
release date, release note date and version. • **Overview**: An overview of the product and changes to the recent software version. • **Purpose**: An overview of the purpose of the release notes which lists the new feature, enhancements and defects of the current build. • **Issue summary**: Provides description about the defect. • **End-user impact**: Provides information about the end-users impact due to the defect. • **Contact**: Support contact information	
Slide 24 	
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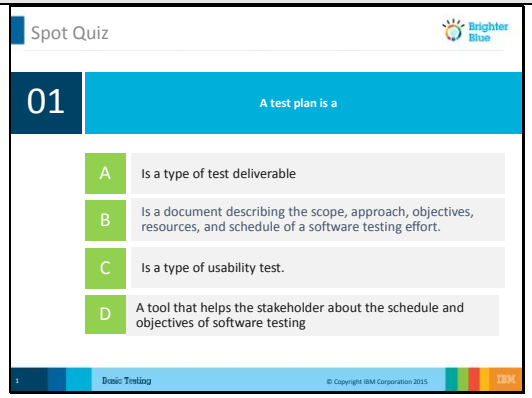	
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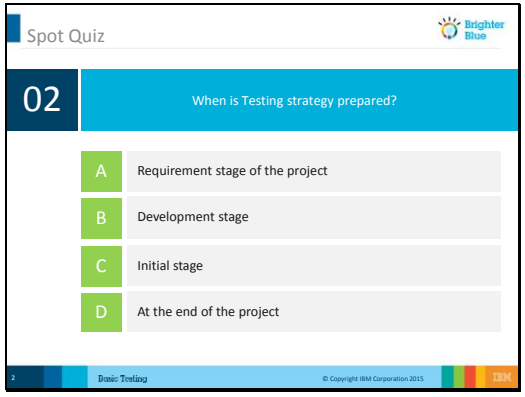	
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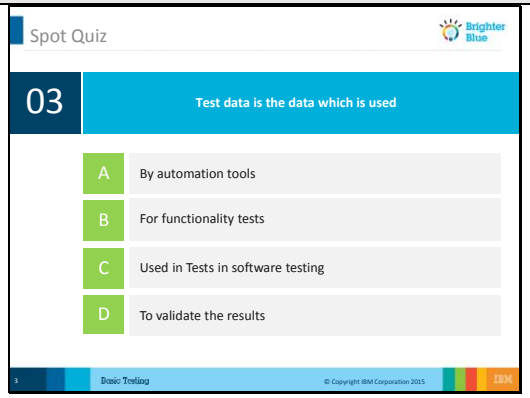
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