**Module 03-Building Robust Jobs With Jenkins DSLs**

1. What is the function of the Branch Looping feature?

a. Branch Looping is used to loop jobs in Jenkins.

b. Branch Looping is used to assign variables to projects.

c. Branch Looping is useful when you want to execute several jobs in parallel.

d. Branch Looping is a security feature in Jenkins.

Feedback:

Incorrect if (a) is chosen. That’s incorrect. Branch Looping is not used to loop jobs in Jenkins.

Incorrect if (b) is chosen. That’s incorrect. Branch Looping is not used to assign variables to projects.

Correct if (c) is chosen. That’s correct! Branch Looping is useful when you want to execute several jobs in parallel. You can list out variables, or branches, as an array and proceed with configurations.

Incorrect if (d) is chosen. That’s incorrect. Branch Looping is not a security feature in Jenkins.

2. The Jenkins Job DSL plugin is a Groovy-based plugin. State whether True or False.

a. True

b. False

Feedback:

Correct if (a) is chosen. That’s correct! The Jenkins Job DSL plugin is written in the Groovy script.

Incorrect if (b) is chosen. That’s incorrect. The Jenkins Job DSL plugin is written in the Groovy script.

3. Which of the following statements is true regarding the Functions feature?

a. In Groovy, a function can be defined and assigned to a variable, thereby allowing it to be passed as a first-class object.

b. A function is another term for a variable.

c. A function is an instance of the Integer class.

d. A function is a shorthand for specifying a sequence of values.

Feedback:

Correct if (a) is chosen. That’s correct! In Groovy, a function can be defined and assigned to a variable, thereby allowing it to be passed as a first-class object.

Incorrect if (b) is chosen. That’s incorrect. A function is not another term for a variable.

Incorrect if (c) is chosen. That’s incorrect. A function is not an instance of the Integer class.

Incorrect if (d) is chosen. That’s incorrect. A function is not shorthand for specifying a sequence of values.

4. What is the Jenkins Job DSL Playground?

a. It is a learning management platform for hosting e-learning courses and tests.

b. It is a digital playground for multi-player games.

c. It is the latest version of the Photoshop Suite.

d. It is a web application using which you can test domain-specific configuration text with syntax highlighting.

Feedback:

Incorrect if (a) is chosen. That’s incorrect. The Jenkins Job DSL Playground is not a learning management platform for hosting e-learning courses and tests.

Incorrect if (b) is chosen. That’s incorrect. The Jenkins Job DSL Playground is not a digital playground for multi-player games.

Incorrect if (c) is chosen. That’s incorrect. The Jenkins Job DSL Playground is not the latest version of the Photoshop Suite.

Correct if (d) is chosen. That’s correct! The Jenkins Job DSL Playground is a web application using which you can test domain-specific configuration text with syntax highlighting. It has a text editor pane and an XML configuration pane.

5. Which of the following is not a useful DSL script function for Jenkins job configuration?

a. Create jobs for branches

b. Deploy multiple applications

c. Create multiple folders for jobs

d. Delete jobs

Feedback:

Incorrect if (a) is chosen. That’s incorrect. Create a job for branches is a useful DSL script function.

Correct if (b) is chosen. That’s correct! Deploy multiple applications is not a DSL script function.

Incorrect if (c) is chosen. That’s incorrect. Create multiple folders for jobs is a useful DSL script function.

Incorrect if (d) is chosen. That’s incorrect. Delete jobs is a useful DSL script function.