

**Status** Finished**Started** Sunday, 24 November 2024, 4:07 PM**Completed** Sunday, 24 November 2024, 4:08 PM**Duration** 1 min 21 secs**Grade** 10.00 out of 10.00 (100%)**Question 1**

Correct

Mark 1.00 out of 1.00

Which of the following is correct in implementation?

Select one:

- ☐ a. JavaDoc tags are only in comments and have to be counted in the number of lines of code (LOC) of a program.
- ☐ b. JavaDoc tags are user defined tags as long as they are preceded by '@' (for example, a user may use '@facebook' as a new JavaDoc tag)
- ☐ c. All of the other answers are correct.
- ☒ d. Using JavaDoc tags (such as @return, @see, ...) in commenting the code is a very good way in generating technical document about classes and their methods using JavaDoc tool.

**Correct**

Marks for this submission: 1.00/1.00.

**Question 2**

Correct

Mark 1.00 out of 1.00

Suppose that we are creating a class that have a method to collect data from all workstations, which of the followings is a good name of the method?

Select one:

- ☐ a. CollectingDataFromWorkstation.
- ☐ b. All from the other answers are excellent names.
- ☒ c. collectDataFromWorkstation.
- ☐ d. collectingDataFromWorkstation.

**Correct**

Marks for this submission: 1.00/1.00.



## Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is acceptable in initializing attributes of a class?

Select one:

- ☐ a. Only initialize object (of a class) attributes.
- ☐ b. No need to initialize when most of the programming languages initialize attribute automatically.
- ☒ c. Always initialize attributes.
- ☐ d. All of the other answers acceptable.

Correct

Marks for this submission: 1.00/1.00.

## Question 4

Correct

Mark 1.00 out of 1.00

How to do "Enforce intentions"?

Select one:

- ☐ a. If your code is intended to be used in particular ways only, write it so that the code cannot be used in any other way.
- ☐ b. Use qualifiers such as final and abstract etc. to enforce intentions.
- ☒ c. All of the other answers are correct.
- ☐ d. If a member is not intended to be used by other functions, enforce this by making it private or protected etc.

Correct

Marks for this submission: 1.00/1.00.



## Question 5

Correct

Mark 1.00 out of 1.00

Suppose that we are developing a factorial function ( $n!$ ) that has no definition for negative input ( $n < 0$ ), which of the following of handling exceptions is reasonable?

Select one:

- ☐ a. Throw an exception about it anyway.
- ☒ b. Only throw an exception for negative input if it is defined on the function specification.
- ☐ c. Print the system standard output a message when  $n$  is negative.
- ☐ d. All of the other answers are correct.

Correct

Marks for this submission: 1.00/1.00.

## Question 6

Correct

Mark 1.00 out of 1.00

How to do "Think globally, program locally"?

Select one:

- ☐ a. Make all members as invisible as possible.
- ☐ b. Only allow accessing to attributes through more public accessor functions if required.
- ☐ c. Make all members as local as possible.
- ☒ d. All of the other answers are correct.

Correct

Marks for this submission: 1.00/1.00.



## Question 7

Correct

Mark 1.00 out of 1.00

What are benefits of early code integration?

Select one:

- ☐ a. Build and integrate modules after modules that use them.
- ☐ b. All of the other answers are correct.
- ☐ c. Make the full version early to the customer.
- ☒ d. Exercising key risky parts of the application as early as possible.

Correct

Marks for this submission: 1.00/1.00.

## Question 8

Correct

Mark 1.00 out of 1.00

What are good practice in handling exceptions?

Select one:

- ☐ a. All of the other answers are correct.
- ☐ b. Don't need to be reasonable about exceptions callers must handle.
- ☒ c. Catch only those exceptions that you know how to handle.
- ☐ d. Substitute the use of exceptions for issue that will be the subject of testing.

Correct

Marks for this submission: 1.00/1.00.



## Question 9

Correct

Mark 1.00 out of 1.00

Suppose that we are developing a class of common attributes of the software, which of the followings is acceptable?

Select one:

- ☐ a. Make all members visible.
- ☒ b. Make all members invisible and provide public accessor functions to them.
- ☐ c. All of the other answers are correct.
- ☐ d. Make all members statics.

Correct

Marks for this submission: 1.00/1.00.

## Question 10

Correct

Mark 1.00 out of 1.00

In the Java programming language, which of the following naming convention is suggested to be used?

Select one:

- ☐ a. A method name starts by a lowercase character and joins initialized words (camelCase), for example 'getListOfStudent(Course course)'
- ☒ b. All of the other answers are correct.
- ☐ c. An attribute name starts by an underscore character, for example '\_numberOfCredit'.
- ☐ d. A variable name starts by a lowercase character and joins initialized words (camelCase), for example 'queryResult'.

Correct

Marks for this submission: 1.00/1.00.

