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Question 1

Not yet answered

Marked out of 1.00

What should a void returning method do if it fails to execute?

Select one:

- ☐ a.Change the state of another object to inform of that failure
- ☒ b.Throw some kind of Exception
- ☐ c.Do nothing but log the failure
- ☐ d.Do nothing

[Clear my choice](#)**Question 2**

Not yet answered

Marked out of 1.00

When does a method produce a so called side effect?

Select one:

- ☐ a.When it invokes another method
- ☐ b.When it modifies some state outside its local scope
- ☐ c.When it initializes a local variable

Question 3

Not yet answered

Marked out of 1.00

What is Failing Fast in the context of Defensive Coding?

Select one:

- ☐ a.Crashing the system
- ☐ b.Handling a checked exception
- ☐ c.Swallowing an exception and letting the program fail soon after
- ☒ d.Catching programming or user errors as early as possible

[Clear my choice](#)

Question **4**

Not yet answered

Marked out of 1.00

Where should you put a Guard Clause in a method?

Select one:

- ☐ a. Close to where the input argument is used
- ☐ b. Anywhere is fine
- ☒ c. At the very top before anything else
- ☐ d. At the bottom

[Clear my choice](#)Question **5**

Not yet answered

Marked out of 1.00

What is considered a bad practice when catching an exception?

Select one:

- ☐ a. Rethrowing an exception
- ☐ b. Logging an exception
- ☒ c. Catching a NullPointerException and trying to recover from it
- ☐ d. Passing additional information to the exception message

[Clear my choice](#)Question **6**

Not yet answered

Marked out of 1.00

What Exception would you throw if your method received a string date with incorrect format?

Select one:

- ☒ a. IllegalArgumentException
- ☐ b. NullPointerException
- ☐ c. IllegalStateException
- ☐ d. RuntimeException

[Clear my choice](#)

Question **7**

Not yet answered

Marked out of 1.00

What is the downside of returning magic numbers?

Select one:

- ☐ a. Program speed decreases
- ☐ b. They don't work in if-else statements
- ☒ c. It greatly decreases client code readability
- ☐ d. There is no real downside to magic numbers

[Clear my choice](#)Question **8**

Not yet answered

Marked out of 1.00

What is likely to happen if you catch but do not handle an exception?

Select one:

- ☐ a. The program might not even compile
- ☐ b. The program throws a RuntimeException instead
- ☒ c. The program will fail later

[Clear my choice](#)Question **9**

Not yet answered

Marked out of 1.00

What benefit does defensive programming bring?

Select one:

- ☐ a. Faster testing for QA
- ☐ b. Well refactored code
- ☐ c. Faster runtime execution
- ☒ d. Catching bugs and errors early

[Clear my choice](#)

Question **10**

Not yet answered

Marked out of 1.00

What issues can incorrect input cause when there is no defensive code?

Select one:

- ☒ a. The program may throw an exception or silently compute wrong results
- ☐ b. The program will fail to compile
- ☐ c. The program will not log certain things
- ☐ d. No issues will result

[Clear my choice](#)Question **11**

Not yet answered

Marked out of 1.00

What should you remember to test when verifying number ranges?

Select one:

- ☒ a. Their binary representation
- ☐ b. If those numbers can be converted to type double
- ☐ c. Border values
- ☐ d. If it is a primitive or a boxed type

[Clear my choice](#)Question **12**

Not yet answered

Marked out of 1.00

What is the best way to validate an email?

Select one:

- ☐ a. Use an if-else statement
- ☒ b. Use a Regular Expression
- ☐ c. Use a while loop
- ☐ d. Use a switch statement

[Clear my choice](#)

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