Congratulations! You passed!
TO PASS 80% or higher

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Module 3 Graded Quiz

LATEST SUBMISSION GRADE
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1. Which of the following are COBOL compilation options used in testing and debugging (select all that apply)? **1 / 1 point**

- [x] RULES(NOLAXPERF)

Correct
Correct, each of the following are COBOL compilation options used in testing and debugging:

- SSRANGE
- ZONECHECK
- RULES(NOEVENPACK)

- [x] RULES(NOEVENPACK)

Correct
Correct, each of the following are COBOL compilation options used in testing and debugging:

- SSRANGE
- ZONECHECK
- RULES(NOEVENPACK)

- [x] SSRANGE

Correct
Correct, each of the following are COBOL compilation options used in testing and debugging:

- SSRANGE
- ZONECHECK
- RULES(NOEVENPACK)

- [x] ZONECHECK

Correct
Correct, each of the following are COBOL compilation options used in testing and debugging:

- SSRANGE
- ZONECHECK
- RULES(NOEVENPACK)

2. Which of the following are associated with SSRANGE, out-of-range table issues (select all that apply)? **1 / 1 point**

- [x] Generates an IGZ006S message.

Correct
Correct, each of the following are associated with SSRANGE, out-of-range table issues:

- Generates an IGZ006S message.
- Usage should be restricted to testing to minimize increase CPU time.
- Index or subscript points to storage beyond the bounds of a table.

- [x] Usage should be restricted to testing to minimize increase CPU time.

Correct
Correct, each of the following are associated with SSRANGE, out-of-range table issues:

- Generates an IGZ006S message.
- Usage should be restricted to testing to minimize increase CPU time.
- Index or subscript points to storage beyond the bounds of a table.

- [x] Index or subscript points to storage beyond the bounds of a table.

Correct

Correct, each of the following are associated with SSRANGE, out-of-range table issues:

- Generates an IGZ006S message.
- Usage should be restricted to testing to minimize increase CPU time.
- Index or subscript points to storage beyond the bounds of a table.

- [ ] None of the above

3. COBOL programs need to be compiled and generate an executable to be run by a computer. **1 / 1 point**

- (•) True
- ( ) False

Correct

Correct, COBOL programs need to be compiled and generate an executable to be run by a computer.

4. RULES(NOEVENPACK) generates a warning message when the packed data contains an even number of digits. **1 / 1 point**

- (•) True
- ( ) Incorrect, revisit the COBOL Compile Options Lesson to learn packed data should always have an odd number of digits to prevent truncated data.

Correct

Correct, packed data should always have an odd number of digits to prevent truncated data.

5. There is no compile option to test for inefficient coding practices? **1 / 1 point**

- (•) True
- ( ) False

Correct

Incorrect, revisit the COBOL Compile Options lesson to learn RULES(NOLAXPERF) will issue warnings for inefficient coding practices, as well as compiler options that can impact performance.

6. COBOL programs don't require unit testing because mainframes are different than modern computing environments. **1 / 1 point**

- (•) True
- ( ) False

Correct

Incorrect, revisit the Mainframe Unit Testing lesson to learn COBOL applications do benefit from and should under go unit testing.

7. Unit testing can accomodate one or the other (not both): batch or CICS programs? **1 / 1 point**

- (•) True
- ( ) False

Correct

Incorrect, revisit the Mainframe Unit Testing lesson to learn unit tests can be conducted for both batch and CICS-based programs written in COBOL, PL/I and Assembler.

8. The TDD methodology is very flexible and fluid, allowing test cases to evolve organically. **1 / 1 point**

- ( ) True
- (•) False

Correct

Correct, TDD is a software development process that uses requirements being converted to test cases before software is fully developed.

9. This is IBM's tool that provides an automated unit testing tool for batch and CICS programs? **1 / 1 point**

- (●) IBM Z Open Unit Test
- ( ) IBM LPAR Scan
- ( ) IBM JZ Sys Test

✓ **Correct**
Correct, IBM Z Open Unit Test requires and extends the capability of IBM Z Open Development. IBM Z Open Unit Test in conjunction with IBM Z Open Development creates a powerful continuous development, testing, and delivery environment.

10. It's best practice to automate unit testing whenever possible. **1 / 1 point**

- (●) True
- ( ) False

✓ **Correct**
Correct, it's best practice to automate unit testing whenever possible.

11. Which of the following are steps in a test driven development (TDD) methodology (select all that apply)? **1 / 1 point**

- [x] Revise as needed.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.
- Refactor new code.
- Repeat as needed.

- [x] Process bug request.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.
- Refactor new code.
- Repeat as needed.

- [x] Repeat as needed.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.
- Refactor new code.
- Repeat as needed.

- [x] Refactor new code.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.

- Refactor new code.
- Repeat as needed.

☑ Write code.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.
- Refactor new code.
- Repeat as needed.

☐ None of the above.

☑ Perform unit test.

✓ **Correct**
Correct, each of the following are steps in a test driven development (TDD) methodology:

- Process bug request.
- Perform unit test.
- Write code.
- Revise as needed.
- Refactor new code.
- Repeat as needed.

12. TDD is not interested in integrating with other processes and lives as it's own initiative. **1 / 1 point**

○ True
◉ False

✓ **Correct**
Correct, key to a successful TDD methodology is the ability to integrate TDD into application development or maintenance activities.

13. A TDD methodology should only be employed the new development projects. **1 / 1 point**

○ True
◉ False

✓ **Correct**
Correct, TDD is commonly used to refactor and improve existing COBOL code.

14. This is the process of restructuring computer code without changing or adding to its external behavior and functionality. **1 / 1 point**

refactoring

✓ **Correct**
Correct, refactoring is the process of restructuring computer code without changing or adding to its external behavior and functionality.

15. The TDD methodology and Agile methodologies are incongruous and are never found together. **1 / 1 point**

○ True
◉ False

✓ **Correct**
Correct, it's not uncommon to find TDD methodologies leveraged in an Agile context.