

IT Quality and Software Test

Lesson 5 Static Testing Quiz V1.0

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Winter 2013 / 2014



1. Static Testing

Which of the following are the main phases of a formal review?

- a) Initiation, status, preparation, review meeting, rework, follow up. ☐
- b) Planning, preparation, review meeting, rework, closure, follow up. ☐
- c) Planning, kick off, individual preparation, review meeting, rework, follow up. ☐
- d) Preparation, review meeting, rework, closure, follow up, root cause analysis. ☐



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2. Static Testing

Which of the review types below are the most adequate options to choose for reviewing safety critical components in a software project?

- a) Informal review.
- b) Management review.
- c) Inspection.
- d) Walk-through
- e) Technical Review.

☐
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3. Static Testing

Which of the following statements about static analysis is **FALSE**?

- a) Static analysis can be used as a preventive measure with appropriate process in place. ☐
- b) Static analysis can find defects that are not easily found by dynamic testing. ☐
- c) Static analysis can result in cost savings by finding defects early. ☐
- d) Static analysis is a good way to force failures into the software. ☐



3. Static Testing

Which of the following statements about static analysis is **FALSE**?

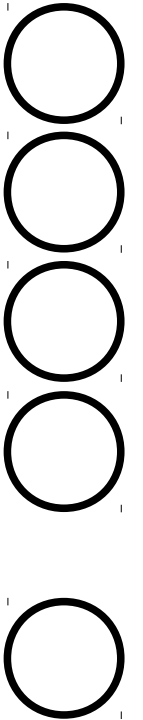
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4. Static Testing

What can static analysis **NOT** find?

- a) The use of a variable before it has been defined
- b) Unreachable (“dead”) code
- c) Whether the value stored in a variable is correct
- d) The re-definition of a variable before it has been used
- e) Table boundary violations

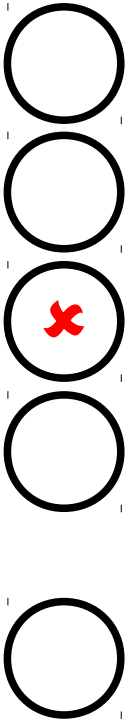




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5. Static Testing

Which expression best matches the following characteristics or review processes?

- | | |
|---|--------------------|
| 1) led by author | a) inspection |
| 2) undocumented | b) peer review |
| 3) no management participation | c) informal review |
| 4) led by a trained moderator or leader | d) walk-through |
| 5) uses entry and exit criteria. | |

<http://www.istqb.org>



5. Static Testing

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- | | | |
|---|--------------------|-------------|
| 1) led by author | a) inspection | = 4) and 5) |
| 2) undocumented | b) peer review | = 3) |
| 3) no management participation | c) informal review | = 2) |
| 4) led by a trained moderator or leader | d) walk-through | = 1) |
| 5) uses entry and exit criteria. | | |
-

<http://www.istqb.org>



6. Static Testing

Could reviews or inspections be considered part of testing?

- a) No, because they apply to development documentation. ☐
- b) No, because they are normally applied before testing. ☐
- c) No, because they do not apply to the test documentation. ☐
- d) Yes, because both help detect faults and improve quality. ☐
- e) Yes, because testing includes all non-constructive activities. ☐

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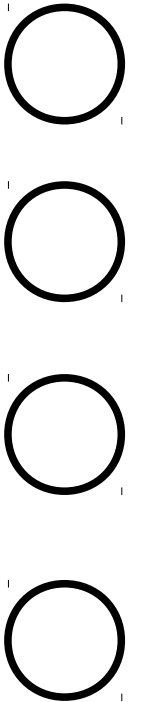
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7. Static Testing

Static analysis is best described as:

- a) the analysis of batch programs.
- b) the reviewing of test plans.
- c) the analysis of program code.
- d) the use of black box testing.





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