NPTEL » Software testing

Announcements

About the Course

Ask a Question

Progress Mentor

1 point

Unit 5 - Week 3

portal

Week 1

Week 2

Week 3

Criteria

Criteria

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

True

False

Score: 0

True

False

Score: 0

False

True

No, the answer is incorrect.

No, the answer is incorrect.

Accepted Answers:

10)State true or false: A decision-to-decision path is the same as the basis path

Accepted Answers:

Course outline Assignment 3 How to access the Due on 2019-08-21, 23:59 IST. The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Pre-requisite State true or false: A definition of a variable always reaches every use 1 point Assignment True False No, the answer is incorrect. Score: 0 Accepted Answers: False Lecture 10 -2) Which of the following is true about def-clear paths with respect to a variable v? 1 point Assignment 2: Structural Coverage The variable v is not defined along the path Lecture 11 - Data Flow Graphs The variable v is not given another value along the path Lecture 12 -Algorithms: Data The variable v is defined once but is not used along the path Flow Graph Coverage Criteria The variable v is defined and used along the path Lecture 13 - Graph No, the answer is incorrect. Coverage Criteria: Score: 0 Applied to Test Code Accepted Answers: The variable v is not given another value along the path Lecture 14 - Testing Source Code: 3) For a variable v, which of the following refers to a simple path that is def-clear from a definition of v to a use of pClassical Coverage v? Def-clear path Quiz : Assignment 3 Definition path • Week 3 Feedback : Use path Software testing du-path No, the answer is incorrect. Score: 0 Accepted Answers: du-path State true or false: We group du-path sets by uses 1 point True False No, the answer is incorrect. Score: 0 Accepted Answers: False 5) Which of the following represents correct order of subsumption amongst data-flow coverage criteria in graphs? 1 point symbol → below as "subsumes" All-du-paths-coverage → all-uses-coverage → all-defs-coverage DOWNLOAD VIDEOS All-defs-coverage → all-uses-coverage → all-du-paths-coverage No, the answer is incorrect. Text Transcripts Score: 0 Accepted Answers: All-du-paths-coverage → all-uses-coverage → all-defs-coverage 6) Which of the following is true regarding subsumption relation among structural coverage criteria and data flow 1 point coverage criteria over graphs? All-du-paths-coverage subsumes prime-path-coverage Prime-path-coverage subsumes all-du-paths coverage and all-defs-coverage subsumes edge-coverage Prime-path-coverage subsumes all-du-paths coverage and all-uses-coverage subsumes edge-coverage Prime-path-coverage subsumes all-du-paths coverage and all-defs-coverage subsumes node-coverage No, the answer is incorrect. Score: 0 Accepted Answers: Prime-path-coverage subsumes all-du-paths coverage and all-uses-coverage subsumes edge-coverage 1 point State true or false: Data could be defined in the edges of a CFG representing source code True False No, the answer is incorrect. Score: 0 Accepted Answers: False 1 point 8) What does cyclomatic complexity of a program represent? The number of different execution paths a program can take The number of different paths in the CFG of a program The number of linearly independent paths in the CFG of a program The number of basis paths in the CFG of a program No, the answer is incorrect. Score: 0 Accepted Answers: The number of linearly independent paths in the CFG of a program State true or false: Basis path testing subsumes branch coverage 1 point