

Answer Submitted.

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<https://swayam.gov.in>https://swayam.gov.in/nc_details/NPTEL

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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Software Testing (course)Course
outlineHow does an
NPTEL
online
course
work? ()Pre-requisite
Assignment
()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 9 ()

☒ Mutation
testing (unit?)

Week 9 : Assignment 9 (Non Graded)

Your last recorded submission was on 2022-09-27, 00:44 IST

Note : This assignment is only for practice purpose and it will not be counted towards the Final score

1) While applying the mutation operator that deletes a method call, how is the value returned by the deleted method passed to the caller method? **1 point**

- ☐ The method itself is deleted, so the call should also be deleted.
- ☐ The value returned by the deleted method is replaced with a suitable expression in the caller.
- ☒ The value returned by the deleted method is replaced with a fixed, constant value.
- ☐ A message is sent to the caller indicating that there is no value to be returned as the method is deleted.

Yes, the answer is correct.

Score: 1

Accepted Answers:

The value returned by the deleted method is replaced with a fixed, constant value.

2) When mutation testing is applied for inputs to programs, which of the following software artifacts are mutated? **1 point**

- ☒ Inputs are mutated.
- ☐ The program or the ground string is mutated.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Inputs are mutated.

unit=73&lesson=74)

● Mutation Testing - Mutation for integration (unit? unit=73&lesson=75)

● Mutation testing : Grammars and inputs (unit? unit=73&lesson=76)

● Software Testing Course: Summary after Week 9 (unit? unit=73&lesson=77)

● **Practice:**
Week 9 :
Assignment 9 (Non Graded) (assessment? name=119)

● Quiz: Week 9 : Assignment 9 (assessment? name=144)

○ Week 9 Feedback Form: Software Testing (unit? unit=73&lesson=132)

Week 10 ()

Week 11 ()

Week 12 ()

Learning Materials ()

DOWNLOAD VIDEOS ()

Text Transcripts ()

3) How is overloading different from overriding in object oriented programming?

1 point

- ☒ Overloading occurs between two methods in the same class and overriding occurs between methods in a class and one of its descendants.
- ☐ Overloading occurs between a method in a class and one of its descendants and overriding occurs between two methods in the same class.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Overloading occurs between two methods in the same class and overriding occurs between methods in a class and one of its descendants.

4) State true or false: The mutation operators overriding method moving and overriding method deletion will cause references to the method on which it is applied to use the parent's version. **1 point**

- ☒ True.
- ☐ False.

Yes, the answer is correct.

Score: 1

Accepted Answers:

True.

Check Answers and Submit

Your score is: 4/4

Live sessions ()

Books ()