Answer Submitted.
X

Week 11 : Assignment 11 (Non Graded)

Your last recorded submission was on 2022-10-12, 23:10 IST
Note : This assignment is only for practice purpose and it will not be counted towards the Final score

Consider the code fragment given below. Answer the following questions related to symbolic execution of the given code fragment.

```
0: int x, y;
1: if (x > y) {
2: x = x + y;
3: y = x - y;
4: x = x - y;
5: if (x - y > 0)
6: assert(false);
}
```

1) How many decision points are there in the code fragment? ***1 point***

- (●) Two decision points.
- ( ) Three decision points.

Yes, the answer is correct.
Score: 1
Accepted Answers:
Two decision points.

2) Why are control flow graphs not suitable for web applications testing? ***1 point***

- ( ) It is not clear whether to consider models for client or server.
- (●) They are static models and do not represent dynamic flow of control.

- ( ) There are no control flow graph models in code for web applications.
- ( ) Just control flow is not enough, we need to consider data flow also.

Yes, the answer is correct.
Score: 1
Accepted Answers:
They are static models and do not represent dynamic flow of control.

3) What will be the path constraint to reach statement 6? ***1 point***

- (•) `x > y && y - x > 0.`
- ( ) `x > y && y - x <= 0.`

Yes, the answer is correct.
Score: 1
Accepted Answers:
x > y && y - x > 0.

4) State yes or no: Is statement 6 reachable in the program fragment? ***1 point***

- ( ) Yes.
- (•) No.

Yes, the answer is correct.
Score: 1
Accepted Answers:
No.

Check Answers and Submit

Your score is: 4/4

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