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Exercise 2

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Lecture Sequence due Dec 15, 2022 07:30 +08   Completed

Exercise 2

2/2 points (graded)

1. Is the following code deterministic or stochastic?

```python
import random
mylist = []

for i in range(random.randint(1, 10)):
    random.seed(0)
    if random.randint(1, 10) > 3:
        number = random.randint(1, 10)
        mylist.append(number)
print(mylist)
```
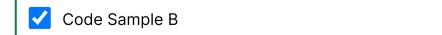
○ Deterministic

● Stochastic

✔

2. Which of the following alterations (Code Sample A or Code Sample B) would result in a deterministic process?

```python
import random

# Code Sample A
mylist = []

for i in range(random.randint(1, 10)):
    random.seed(0)
    if random.randint(1, 10) > 3:
        number = random.randint(1, 10)
        if number not in mylist:
            mylist.append(number)
print(mylist)



# Code Sample B
mylist = []

random.seed(0)
for i in range(random.randint(1, 10)):
    if random.randint(1, 10) > 3:
        number = random.randint(1, 10)
        mylist.append(number)
    print(mylist)
```
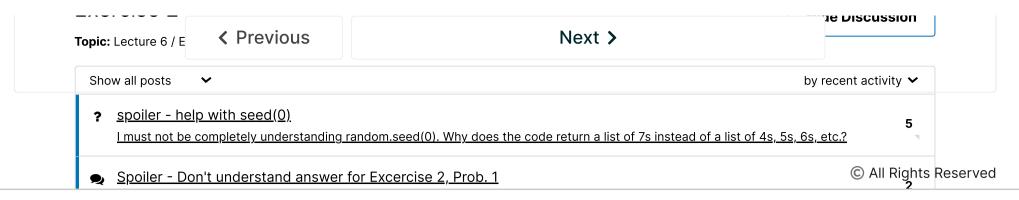
Check one or both.

☑ Code Sample A

☑ Code Sample B

✔

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Exercise 2

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? <u>spoiler - help with seed(0)</u>   5
      <u>I must not be completely understanding random.seed(0). Why does the code return a list of 7s instead of a list of 4s, 5s, 6s, etc.?</u>

💬 <u>Spoiler - Don't understand answer for Excercise 2, Prob. 1</u>

edX

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