L2 PROBLEM 3A (5/5 points)

Write a deterministic program, `deterministicNumber`, that returns an even number between 9 and 21.

```
def deterministicNumber():
    '''
    Deterministically generates and returns an even number between 9 and 21
    '''
    # Your code here
```

```
import random
def deterministicNumber():
    '''
    Deterministically generates and returns an even number between 9 and 21
    '''
    # Your code here
    return 16
```

Correct

```
# Possible solutions:

def deterministicNumber():
    return 10 # or 12 or 14 or 16 or 18 or 20

# or

def deterministicNumber():
    random.seed(0) # This will be discussed in the video "Drunken Simulations"
    return 2 * random.randint(5, 10)
```

Test results

Hide output

CORRECT

Test: detNum

This test calls your function 1000 times and makes sure all generated results are within the parameters of the problem.

Output:

```
Passed test
```

Hide output

Check | Hide Answer

L2 PROBLEM 3B (5/5 points)

Write a uniformly distributed stochastic program, `stochasticNumber`, that returns an even number between 9 and 21.

```
def stochasticNumber():
    '''
    Stochastically generates and returns a uniformly distributed even number between 9 and 21
    '''
    # Your code here
```

```
import random
def stochasticNumber():
    '''
    Stochastically generates and returns a uniformly distributed even number between 9 and 21
    '''
    # Your code here
    return 2 * random.randint(5, 10)
```

Correct

```
# Possible solutions:
def stochasticNumber():
    return 2 * random.randint(5, 10)

# or

def stochasticNumber():
    return random.randrange(10, 22, 2)

# or, again, something like that.
```

Test results

See full output

CORRECT

See full output

Check | Hide Answer

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