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Midterm Exam
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Problem 2

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Problem 2-1

1.0 point possible (graded)

Consider the statement: `L = {'1':1, '2':2, '3':3}`. Which is correct?

- ☐ L is a list
- ☐ L is immutable
- ☐ L contains 6 elements
- ☐ L has integer keys
- ☐ L maps strings to integers

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Problem 2-2

1.0 point possible (graded)

Assume a `break` statement is executed inside a loop and that the loop is inside a function. Which of the following is correct?

- ☐ The program might immediately terminate.
- ☐ The function might immediately terminate.



☐ The loop will always immediately terminate.

☐ All of the above.

☐ None of the above.

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Problem 2-3

1.0 point possible (graded)

In Python, which of the following is a mutable object?

☐ a string

☐ a tuple

☐ a list

☐ all of the above

☐ none of the above

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Problem 2-4

1.0 point possible (graded)

Assume the statement `s[1024] = 3` does not produce an error message. This implies:



☐ `type(s)` can be `str`

☐ `type(s)` can be `tuple`

☐ `type(s)` can be `list`

☐ All of the above

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Problem 2-5

1.0 point possible (graded)

Consider the code:

```
L = [1,2,3]
d = {'a': 'b'}
def f(x):
    return 3
```

Which of the following does NOT cause an exception to be thrown?

☐ `print(L[3])`

☐ `print(d['b'])`

☐

```
for i in range(1000001, -1, -2):
    print(f)
```

☐ `print(int('abc'))`

☐ None of the above



You have used 0 of 1 attempt

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