

INFORMATICS 2 - 2ND MIDTERM (TESTS)

NAME*

NEPTUN CODE*

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You have 15 minutes to complete this test.

YOUR ANSWERS:

1	2	3
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Test 1. What is the value of the variable `b` after the execution of the following piece of code?

```
a, _, b, c = (1, 0, 3, 2)
```

Test 2. Suppose that the value of the variable `index` is `[4, 1, 3, 0, 2]`, and the value of `data` is `[1, 3, 0, 4, 2]`. What is the value of the following expression?

```
data[index[4]]
```

Test 3. Among the outputs listed below, which one is printed by the following piece of code?

```
print(f'|{3.14:8.2f}|'); print('|12345678|')
```

- (1) | 3.14 |
|12345678|
- (2) |00003.14|
|12345678|
- (3) |3.14 |
|12345678|
- (4) | 3.14 |
|12345678|
- (5) None of the above.

INFORMATICS 2 - 3RD MIDTERM (TESTS)

NAME*

NEPTUN CODE*

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You have 10 minutes to complete this test.

YOUR ANSWERS:

1	2	3
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Test 1. What is the value of the following expression?

```
sum([sum([x%y for x in range(2,6) if x**2 < 24]) for y in range(4,6)])
```

(Recall that $x\%y$ computes $x \bmod y$.)

Test 2. What is the return value of

```
lists((5, 4, 4, 10),1)
```

if `lists()` is defined like this:

```
def lists(m,n):  
    try:  
        m[n] = 1  
        return m[n]  
    except:  
        return m[n]
```

Test 3. Let `f` be defined as follows:

```
def f(*l,m=1):  
    return len(l)*m
```

What is the return value of the call

```
f(5, 4, 4, 10)
```