STAT 2255: Quiz 2

Name: _____

Student ID: _____

1. What will the following code print?

```python
x = 'SPAM'
def f():
    x = 'Hello'
    print(x)
f()
print(x)
```

2. What is the output of the following code?

```python
import numpy as np
a = np.arange(10)
b = a[[3, 4, 5]]
b[1] = 2
print(a)
```

3. Write down the output of the following code.

```python
import numpy as np
a = np.array([[1, 2, 3], [4, 5, 6], [7, 8, 9]])
a[:2,1:]
```

4. Create a numpy array that contains all the integers $>=501$ and $<=600$ that are divisible by 3.