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)
```

```
Hello
SPAM
```

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)
```

```
[0 1 2 3 4 5 6 7 8 9]
```

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:]
```

```
array([[2, 3],
       [5, 6]])
```

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

```
import numpy as np
arr = np.arange(501, 601)
arr[arr % 3 == 0]
```

```
import numpy as np
arr = np.arange(501, 601,3)
```