1. What is the result of the code, and explain?
>>> X = 'iNeuron' >>> def func(): print(X)
>>> func()
2. What is the result of the code, and explain?
>>> X = 'iNeuron' >>> def func(): X = 'NI!'
>>> func() >>> print(X)
3. What does this code print, and why?
>>> X = 'iNeuron' >>> def func(): X = 'NI' print(X)
>>> func() >>> print(X)
4. What output does this code produce? Why?
>>> X = 'iNeuron' >>> def func(): global X X = 'NI'
>>> func() >>> print(X)
5. What about this code—what's the output, and why?

```
>>> X = 'iNeuron'
>>> def func():
X = 'NI'
def nested():
print(X)
nested()
>>> func()
>>> X
6. How about this code: what is its output in Python 3, and explain?
>>> def func():
X = 'NI'
def nested():
nonlocal X
X = 'Spam'
nested()
print(X)
>>> func()
```