***1. What is the result of the code, and explain?***

***>>> X = 'iNeuron'***

***>>> def func():***

***print(X)***

***>>> func()***

***result: iNeuron***

***2. What is the result of the code, and explain?***

***>>> X = 'iNeuron'***

***>>> def func():***

***X = 'NI!'***

***>>> func()***

***>>> print(X)***

***result: iNeuron***

***3. What does this code print, and why?***

***>>> X = 'iNeuron'***

***>>> def func():***

***X = 'NI'***

***print(X)***

***>>> func()***

***>>> print(X)***

***result: NI***

***iNeuron***

***4. What output does this code produce? Why?***

***>>> X = 'iNeuron'***

***>>> def func():***

***global X***

***X = 'NI'***

***>>> func()***

***>>> print(X)***

***result: NI***

***5. What about this code—what’s the output, and why?***

***>>> X = 'iNeuron'***

***>>> def func():***

***X = 'NI'***

***def nested():***

***print(X)***

***nested()***

***>>> func()***

***>>> X***

***result:NI***

***'iNeuron'***

***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()***

***result:Spam***