Python basic assignment 22:

Q1) Result: iNeuron

Explanation:

String ‘ineuron’ is passed to variable X

A function called ‘func’ is defined that prints variable X

Function ‘func’ is called.

Q2) Result: iNeuron

Explanation:

String ‘ineuron’ is passed to variable X

A function called ‘func’ is defined that assigns value ‘NI!’ to X

Function ‘func’ is called

Variable X is printed

However iNeuron is printed.

It seems local variables are not affecting global variables.

Q3) Result: iNeuron

iNeuron

Explanation:

Defining and calling function has no effect on variable X since X is global while variable X written in function is local variable.

Q4) Result: NI

Explanation:

This time, variable X written in function is defined as global variable and hence gives NI as result.

Q5) Result: ‘iNeuron'

Explanation:

Even in next function, local variables of previous function are not having effect. Only value of global variable X is being printed.

Q6) Result: SyntaxError: no binding for nonlocal 'X' found

Explanation: nonlocal variable has not been defined earlier (before function).