

Check Server Status

Description: Write a Python program that checks the status of `jsonplaceholder.typicode.com/posts` and prints "Server is up!" if the status is 200, otherwise print "Server is down!". Use the `socket` module to connect to the server.

Input: None.

Output (without unit test): Server status message.

Output (with unit test):

Server is down!

connect called with: call(('jsonplaceholder.typicode.com', 80))

send called with: call(b'GET /posts HTTP/1.1\r\nHost: jsonplaceholder.typicode.com\r\nConnection: close\r\n\r\n')

recv called with: call(4096)

test attribute passed: 500 is equal to 500

Server is up!

connect called with: call(('jsonplaceholder.typicode.com', 80))

send called with: call(b'GET /posts HTTP/1.1\r\nHost: jsonplaceholder.typicode.com\r\nConnection: close\r\n\r\n')

recv called with: call(4096)

test attribute passed: 200 is equal to 200