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' VBScript: IP_FileWrite.vbs
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' Class: COMP230
' Professor: Hopkins
' =====

' This initializes a 2-dimension array
' of IP Address. The first index +100
' is the room# and the second index+1
' is the computer# in the room.
dim ipAddress(5,3)
    ipAddress(0,0)="192.168.10.11"
    ipAddress(0,1)="192.168.10.12"
    ipAddress(0,2)="192.168.10.13"
    ipAddress(0,3)="192.168.10.14"
    ipAddress(1,0)="192.168.10.19"
    ipAddress(1,1)="192.168.10.20"
    ipAddress(1,2)="192.168.10.21"
    ipAddress(1,3)="192.168.10.22"
    ipAddress(2,0)="192.168.10.27"
    ipAddress(2,1)="192.168.10.28"
    ipAddress(2,2)="192.168.10.29"
    ipAddress(2,3)="192.168.10.30"
    ipAddress(3,0)="192.168.10.35"
    ipAddress(3,1)="192.168.10.36"
    ipAddress(3,2)="192.168.10.37"
    ipAddress(3,3)="192.168.10.38"
    ipAddress(4,0)="192.168.10.43"
    ipAddress(4,1)="192.168.10.44"
    ipAddress(4,2)="192.168.10.45"
    ipAddress(4,3)="192.168.10.46"
    ipAddress(5,0)="192.168.10.51"
    ipAddress(5,1)="192.168.10.52"
    ipAddress(5,2)="192.168.10.53"
    ipAddress(5,3)="192.168.10.54"

' Define constants, variables and set object properties.
const Read = 1, Write = 2, Append = 8, ASCII = 0
fileName = "IP_Addresses.csv"
ipAddrStr = ""
Set fso = WScript.CreateObject("Scripting.FileSystemObject")
Set ipFileObj = fso.CreateTextFile(fileName, True, ASCII)

' Read from array and write a line of text.
For room = 0 to 5
    For computer = 0 to 3
        ipAddrStr = cstr(room + 100) & "," & cstr(computer + 1) & "," & _
            ipAddress(room, computer) & vbCrLf
        ipFileObj.Write(ipAddrStr)
    Next
Next

' Set object properties and close file object.
Set ipFileObj = fso.OpenTextFile(fileName, Read, ASCII)
WScript.Echo ipFileObj.ReadAll
ipFileObj.Close

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