

Module 9 : Network Programming

Assignment

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Assignment

1. Write a programme to support multiple socket client connections to a server.
 - a. For simplicity, make it an echo server like what we saw in the code walkthrough ***module9.tcp.sockets.Server***.
 - b. Use properties file to load the host and port details.
 - c. Handle appropriate logging with Log4j
 - d. Print a welcome message telling the connection number when a client connects to the server.

[Solutions ***module8.tcp.sockets.multiclient***]

2. Write a programme to list the network interfaces on your computer. The programme should list the following:
 - a. Display name.
 - b. Is this interface running?
 - c. Does this interface supports multicast?

[Hint: Check the methods of ***java.net.NetworkInterface***]

3. Write a programme to download the contents of <http://www.oracle.com/events/global/en/java-outreach/resources/java-a-beginners-guide-1720064.pdf> to a file with the same name.
 - a. Extract the filename from the URL, don't hardcode.
 - b. The download folder will be supplied through the command line.
 - c. Show the progress as % downloaded while the downloading is happening.
 - d. Download in chunks of 20KB.

[Solution ***module9.url.MyFileDownloader***]