

JAVA EXAMPLES - MULTITHREADED SERVER

http://www.tutorialspoint.com/javaexamples/net_multisoc.htm

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Problem Description:

How to create a multithreaded server?

Solution:

Following example demonstrates how to create a multithreaded server by using `ssock.accept` method of `Socket` class and `MultiThreadServer` method of `ServerSocket` class.

```
import java.io.IOException;
import java.io.PrintStream;
import java.net.ServerSocket;
import java.net.Socket;

public class MultiThreadServer implements Runnable {
    Socket csocket;
    MultiThreadServer(Socket csocket) {
        this.csocket = csocket;
    }

    public static void main(String args[])
    throws Exception {
        ServerSocket ssock = new ServerSocket(1234);
        System.out.println("Listening");
        while (true) {
            Socket sock = ssock.accept();
            System.out.println("Connected");
            new Thread(new MultiThreadServer(sock)).start();
        }
    }
    public void run() {
        try {
            PrintStream pstream = new PrintStream
            (csocket.getOutputStream());
            for (int i = 100; i >= 0; i--) {
                pstream.println(i +
                " bottles of beer on the wall");
            }
            pstream.close();
            csocket.close();
        }
        catch (IOException e) {
            System.out.println(e);
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
Listening
Connected
```

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