

JAVA EXAMPLES - CREATE A SOCKET

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

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Problem Description:

How to create a socket at a specific port?

Solution:

Following example shows how to sing Socket constructor of Socket class.And also get Socket details using getLocalPort getLocalAddress , getInetAddress & getPort methods.

```
import java.io.IOException;
import java.net.InetAddress;
import java.net.Socket;
import java.net.SocketException;
import java.net.UnknownHostException;

public class Main {
    public static void main(String[] args) {
        try {
            InetAddress addr =
                InetAddress.getByName("74.125.67.100");
            Socket theSocket = new Socket(addr, 80);
            System.out.println("Connected to "
                + theSocket.getInetAddress()
                + " on port " + theSocket.getPort() + " from port "
                + theSocket.getLocalPort() + " of "
                + theSocket.getLocalAddress());
        }
        catch (UnknownHostException e) {
            System.err.println("I can't find " + e );
        }
        catch (SocketException e) {
            System.err.println("Could not connect to " +e );
        }
        catch (IOException e) {
            System.err.println(e);
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
Connected to /74.125.67.100 on port 80 from port
2857 of /192.168.1.1
```

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