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| --- | --- |
|  | import java.io.IOException; |

|  |  |
| --- | --- |
|  | import java.net.InetAddress; |

|  |
| --- |
| import java.net.InetSocketAddress; |

|  |  |
| --- | --- |
|  | import java.net.Socket; |

|  |  |
| --- | --- |
|  | import java.net.SocketAddress; |

|  |  |
| --- | --- |
|  | import java.net.UnknownHostException; |

|  |  |
| --- | --- |
|  | public class CreateClientSocketWithTimeout { |

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  | public static void main(String[] args) { |

|  |  |
| --- | --- |
|  | try { |

|  |  |
| --- | --- |
|  | InetAddress addr = InetAddress.getByName("javacodegeeks.com"); |

|  |  |
| --- | --- |
|  | int port = 80; |

|  |  |
| --- | --- |
|  | SocketAddress sockaddr = new InetSocketAddress(addr, port); |

|  |  |
| --- | --- |
|  | // Creates an unconnected socket |

|  |  |
| --- | --- |
|  | Socket socket = new Socket(); |

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  | int timeout = 5000;   // 5000 millis = 5 seconds |

|  |  |
| --- | --- |
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|  |  |
| --- | --- |
|  | // Connects this socket to the server with a specified timeout value |

|  |  |
| --- | --- |
|  | // If timeout occurs, SocketTimeoutException is thrown |

|  |  |
| --- | --- |
|  | socket.connect(sockaddr, timeout); |

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  | System.out.println("Socket connected..." + socket); |

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  | } |

|  |  |
| --- | --- |
|  | catch (UnknownHostException e) { |

|  |  |
| --- | --- |
|  | System.out.println("Host not found: " + e.getMessage()); |

|  |  |
| --- | --- |
|  | } |

|  |  |
| --- | --- |
|  | catch (IOException ioe) { |

|  |  |
| --- | --- |
|  | System.out.println("I/O Error " + ioe.getMessage()); |

|  |  |
| --- | --- |
|  | } |

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  | } |

|  |  |
| --- | --- |
|  | } |