import java.net.\*;

import java.util.Scanner;

public class RetrieveIP {

public static void main(String[] args) {

// Create a scanner to take user input

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter a hostname

System.out.print("Enter the hostname: ");

String hostname = scanner.nextLine();

try {

// Get the InetAddress object for the given hostname

InetAddress inetAddress = InetAddress.getByName(hostname);

// Get the IP address from the InetAddress object

String ipAddress = inetAddress.getHostAddress();

// Display the IP address

System.out.println("IP address of " + hostname + " is: " + ipAddress);

} catch (UnknownHostException e) {

// Handle the case where the hostname is invalid or not found

System.out.println("Unable to find the IP address for the given hostname.");

} finally {

scanner.close(); // Close the scanner to release resources

}

}

}