import java.net.URL;

public class URLMain {

public static void main(String[] args) {

try

{

URL url = new URL("https://www.example.com/path/to/file.html?key=value#fragment");

System.out.println("Protocol: " + url.getProtocol());

System.out.println("Host: " + url.getHost());

System.out.println("Port: " + url.getPort());

System.out.println("Path: " + url.getPath());

System.out.println("Query: " + url.getQuery());

System.out.println("Fragment: " + url.getRef());

}

catch (Exception e)

{

System.out.println("Error: " + e.getMessage());

}

}

}