

Connectionlar bilan ishlash

Reja:

1. Java URL
2. URLConnection
3. Examples

URL

Java URL class URL addressni ifodalash uchun foydalaniladi.

URL – Uniform Resource Locator soʻzlarining qisqartmasi boʻlib, World Wide Web (WWW)dagi resursni ifodalaydi

URL

<https://pdp.uz/course/java-development>

Protocol Host Name File

- **Protocol:** bu yerda https (bolishi mumkin: tcp, ftp, smtp, telnet, pop,http,...)
- **Server name yoki IP Address:** Bu yerda server name www.pdp.uz.
- **Port Number:** Majburiy bo'lmagan attribute. Agarda https://www.pdp.uz:80/java-development deb yozilganda, port raqami 80 bo'lardi. Agarda URL da port raqami ko'rsatilmagan bo'lsa -1 qaytariladi.
- **File Name yoki directory name:** bu yerda file name [course/java-development](#).

Constructures

- **public URL(String protocol, String host, int port, String file) throws MalformedURLException**
- **public URL(String protocol, String host, String file) throws MalformedURLException**
- **public URL(String url) throws MalformedURLException**
- **public URL(URL context, String url) throws MalformedURLException**

Example

```
URL url = new URL(  
    "https://www.google.com/" +  
    "search?q=pdp+java&oq=pdp+java&" +  
    "aqs=chrome..69i57j0l4j69i60j69i61l2.12013j0j15&" +  
    "sourceid=chrome&ie=UTF-8");  
  
System.out.println("URL is " + url.toString());  
System.out.println("protocol is " + url.getProtocol());  
System.out.println("file name is " + url.getFile());  
System.out.println("host is " + url.getHost());  
System.out.println("path is " + url.getPath());  
System.out.println("port is " + url.getPort());  
System.out.println("default port is " + url.getDefaultPort());  
System.out.println("query is " + url.getQuery());
```

URLConnection

- **Java URLConnection** class URL va dastur o'rtasidagi aloqa kanali vazifasini bajarib beradi. Ushbu classdan URL da ko'rsatilgan resource ga ma'lumotlarni yozish va o'qishda foydalanish mumkin.

```
URL url = new URL("https://pdp.uz/course/java-development");
```

```
URLConnection connection = url.openConnection();
```


Methodlari

Sr.No.	Method & Description
1	Object getContent()
2	Object getContent(Class[] classes)
3	String getContentEncoding()
4	int getContentLength()
5	String getContentType()
6	int getLastModified()
7	long getExpiration()
9	public void setDoInput(boolean input) Passes in true to denote that the connection will be used for input. The default value is true because clients typically read from a URLConnection.
10	public void setDoOutput(boolean output) Passes in true to denote that the connection will be used for output. The default value is false because many types of URLs do not support being written to.
11	public InputStream getInputStream() throws IOException Returns the input stream of the URL connection for reading from the resource.
12	public OutputStream getOutputStream() throws IOException Returns the output stream of the URL connection for writing to the resource.
13	public URL getURL() Returns the URL that this URLConnection object is connected to.

E'TIBORINGIZ UCHUN RAXMAT