

GET メソッド

HTTP コネクションをはって、データを取得する。

```
import java.net.URL;
import java.net.HttpURLConnection;
import java.net.MalformedURLException;
import java.net.ProtocolException;
import java.io.*;

public class HttpGetTest {

    public HttpURLConnection connection;
    private String newline = System.getProperty("line.separator");

    public HttpGetTest(String url){

        try{
            URL u = new URL(url);
            connection = (HttpURLConnection)u.openConnection();
            connection.setRequestMethod("GET");
            HttpURLConnection.setFollowRedirects(false);
            connection.setInstanceFollowRedirects(false);
        } catch (MalformedURLException e) {
            e.printStackTrace();
        } catch (ProtocolException e1) {
            e1.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

    /**
     * 接続し、ウェブサイトからのレスポンスを読み込む
     */
    public void read(OutputStream out){
        try {
            connection.connect();
        } catch (IOException e) {
            e.printStackTrace();
        }
        try {
            byte[] buf = new byte[1024];
            int length = connection.getContentLength();
            DataInputStream in = new DataInputStream(connection.getInputStream());
            int len = 0;
            int sum = 0;
            System.out.println("length: " + length);
            System.out.print("*");
            while((len = in.read(buf)) > 0){
                sum += len;
                if(sum > length/10){
                    System.out.print("*");
                    sum = 0;
                }
            }
            out.write(buf, 0, len);
        } catch (IOException e) {
            e.printStackTrace();
        }
        connection.disconnect();
    }

    public static void main(String[] args) throws Exception{
        HttpGetTest http = new HttpGetTest(args[0]);
        StringWriter out = new StringWriter();
        String path = http.connection.getURL().getFile();
        int index = path.lastIndexOf('/');
        String file = path.substring(index+1);
        if(file.equals("")) file = "default.out";
        System.out.println("output => " + file);
        System.out.print(" ");
        http.read(new FileOutputStream(file));
    }
}
```

```
System.out.println();  
//System.out.println(http.connection.getContentType());  
//System.out.println(http.connection.getContentEncoding());  
//System.out.println(out);  
}
```