

# The HTTP Client

- ❖ As of Java 11, the HTTP Client API is more standardized. The new API supports both HTTP/1.1 and HTTP/2. The new API also supports HTML5 WebSockets.

# The HTTP Client

```
package com.lifemichael.samples;

import java.io.IOException;
import java.net.http.*;
import java.net.*;
import java.net.http.HttpResponse.*;

public class HTTPClientDemo {

    public static void main(String args[]) {

        HttpClient httpClient = HttpClient.newBuilder().build();
```

# The HTTP Client

```
HttpRequest request = HttpRequest.newBuilder().uri(URI.create(
    "http://www.abelski.com/courses/dom/lib_doc.xml"))
    .GET()
    .build();

try {
    HttpResponse<String> response = httpClient.send(
        request, BodyHandlers.ofString());
    System.out.println(response.body());
    System.out.println(response.statusCode());

} catch (IOException e) {
    e.printStackTrace();
} catch (InterruptedException e) {
    e.printStackTrace();
}

}
```

# The HTTP Client

- ❖ The new HTTP Client allows us to initiate an asynchronous HTTP request.

```
HttpClient
    .sendAsync(request, BodyHandlers.ofString())
    .thenAccept(response -> {
        System.out.println(response.body());
        //..
    });
```