Servlet Mapping

Servlet Mapping:

- **Annotation-based Mapping**: Using @WebServlet("/hello") for automatic URL mapping in external Tomcat.
- **Manual Mapping**: In embedded Tomcat, use methods like addServletMappingDecoded() to associate URLs with specific servlets.

Manual Mapping for Embedded Tomcat:

```java
Context context = tomcat.addContext("", null);
tomcat.addServlet("HelloServlet", new HelloServlet());
context.addServletMappingDecoded("/hello", "HelloServlet");
tomcat.start();
tomcat.getServer().await();
```
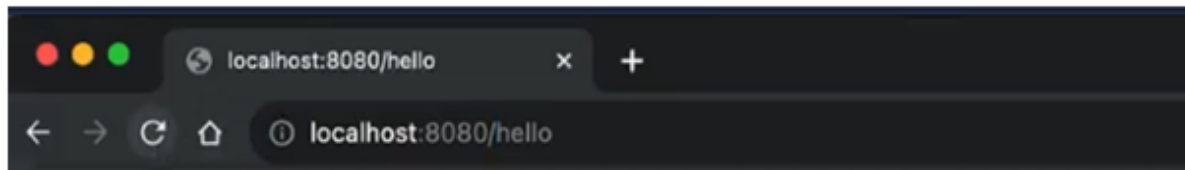
```java
public class App
{
    public static void main( String[] args ) throws LifecycleException {
        System.out.println( "Hello World!" );
        Tomcat tomcat = new Tomcat();

        Context context = tomcat.addContext( contextPath: "", docBase: null);
        Tomcat.addServlet(context,  servletName: "HelloServlet", new HelloServlet());
        context.addServletMappingDecoded( s: "/hello",  s1: "HelloServlet");


        tomcat.start();
        tomcat.getServer().await();

    }
}
```

Output:

Custom Port Configuration:

tomcat.setPort(8081) changes the default port from 8080.