

1. Create a package com.demo.servlet inside src folder
2. Add a Class MyHelloServlet and write following code in doGet Method

```
public class MyHelloServlet extends HttpServlet{

    public void doGet(HttpServletRequest req,HttpServletResponse resp) throws IOException {

        System.out.println("In doGet method");

        resp.setContentType("text/html");

        PrintWriter out=resp.getWriter();

        out.println("<h1>Hello world!</h1>");

        out.println("<h2>Welcome to servlet programming</h2>");

    }

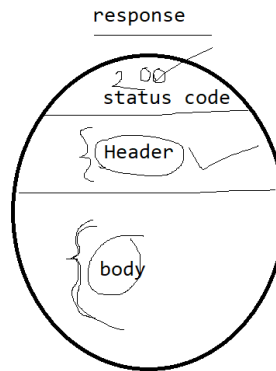
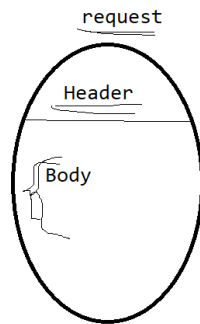
}
```

3. Make following entries in web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd" version="3.1">
    <display-name>MyWebApp</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
    </welcome-file-list>
    <servlet>
        <servlet-name>helloservlet</servlet-name>
        <servlet-class>com.demo.servlet.MyHelloServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>helloservlet</servlet-name>
        <url-pattern>/hello</url-pattern>
    </servlet-mapping>
</web-app>
```

4. Right click on the project name > run as> run on server >select tomcat 9.0
5. Open browser and type following url
<http://localhost:9090/MyWebApp/hello>

request and response object



200---success

404---- page not found

405-----Method not supported

500 ---- internal logical error
in server code

1. design a form to accept loan amout, rate, number of years and calculate emi for the loan

Show the o/p as below

Loan amount: <amount>

Interest : <interest>

Total amount to repay : <total amount>

EMI : <Emi amount>

2. Design a tax calculator

Accept income from user, investment amount from user

Taxable amount = total income- (investment or 10000)

250000 tax -0

250000 to 500000 10%

500000 to 1000000 20%

Else 30%