

Servlet Programming

index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Synonym finder</title>
</head>
<body>
<h6>Enter the word you want</h6>
<form action="meaning">
<input type="text" name="mean">
<input type="submit" value="find mean">
</form>
</body>
</html>
```

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_4_0.xsd" id="WebApp_ID" version="4.0">
  <servlet>
    <servlet-name>abc</servlet-name>
```

```
<servlet-class>com.meaning.SR</servlet-class>
</servlet>
```

```
<servlet-mapping>
<servlet-name>abc</servlet-name>
<url-pattern>/meaning</url-pattern>
</servlet-mapping>
</web-app>
```

SR.java

```
package com.meaning;
```

```
import java.io.IOException;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

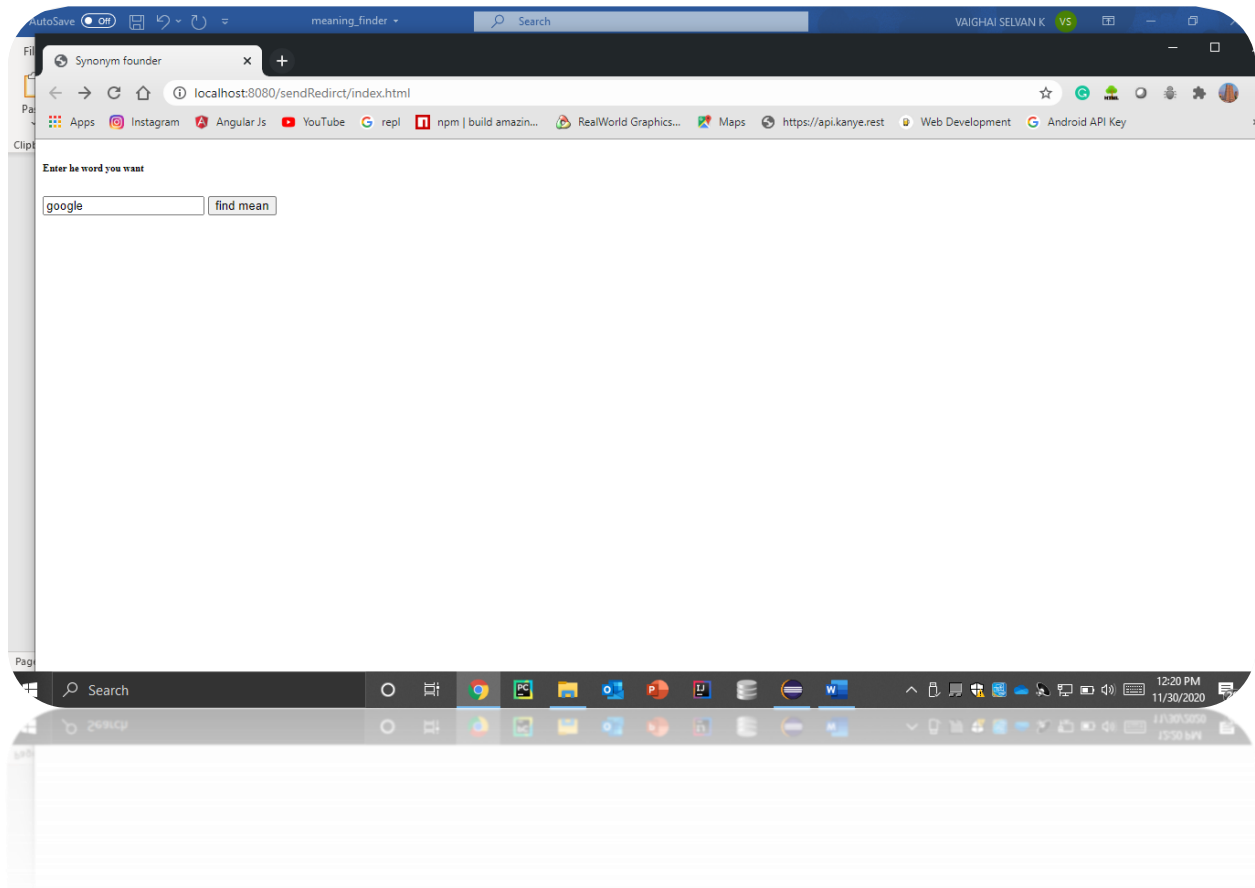
```
public class SR extends HttpServlet {
```

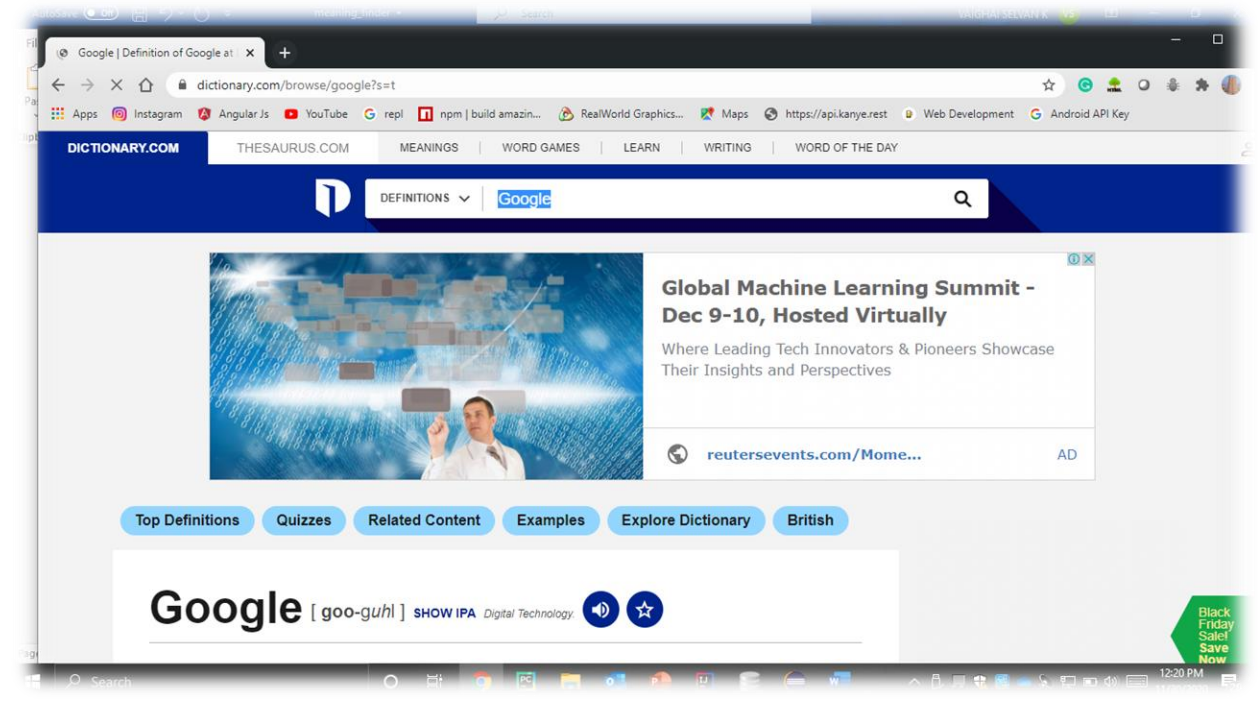
```
    public void service(HttpServletRequest
req,HttpServletResponse res) throws IOException
{
```

```
        String word = req.getParameter("mean");
        System.out.println(word);
```

```
        res.sendRedirect("https://www.dictionary.co
m/browse/"+word+"?s=t");
    }
```

Output:





2.HitCounter

```
package com.hitcounter;
import java.io.*;
import java.sql.Date;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class PageHitCounter extends HttpServlet
{

    private int hitCount;

    public void init() {
        // Reset hit counter.
```

```

        hitCount = 0;
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        // Set response content type
        response.setContentType("text/html");

        // This method executes whenever the
servlet is hit
        // increment hitCount
        hitCount++;
        PrintWriter out = response.getWriter();
        String title = "Total Number of Hits";
        String docType = "<!doctype html public
\"-//w3c//dtd html 4.0 \" +
\"transitional//en\">\n";

        out.println(
            "<html>\n" +
            "<head><title>" + title +
            "</title></head>\n" +
            "<body bgcolor = \"#f0f0f0\">\n" +
            "<h1 align = \"center\">" +
            title + "</h1>\n" +
            "<h2 align = \"center\">" +
            hitCount + "</h2>\n" +
            "</body>"

```

```

        + "</html>"
    );
}

    public void destroy() {
        // This is optional step but if you like
you
        // can write hitCount value in your
database.
    }
}

```

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/javae
e http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
id="WebApp_ID" version="4.0">
    <servlet>
        <servlet-name>PageHitCounter</servlet-name>
        <servlet-
class>com.hitcounter.PageHitCounter</servlet-class>
    </servlet>

    <servlet-mapping>
        <servlet-name>PageHitCounter</servlet-name>
        <url-pattern>/PageHitCounter</url-pattern>
    </servlet-mapping>
</web-app>

```

Output:

