Google App Engine Code in Eclipse Java EE:

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√ SoogleCloud

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                         ♦ App Engine [standard: java8] - appengine-web.
              > 🛅 Deployment Descriptor: GoogleCloud
             JAX-WS Web Services
             v 🎏 Java Resources
                         ∨ 🔠 in.ac.famt
                                                    > 🕖 HelloAppEngine.java
                          v # in.ac.famt
                                                    > HelloAppEngineTest.java
                                                    MockHttpServletResponse.java
                         > 🛋 Libraries
             > 🗁 build

→ Src

                         v 📂 main
                                       v 🕞 java
                                                    v 🐎 in
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                                                                                v 🕞 famt
                                                                                                          HelloAppEngine.java
                                        v 🍃 webapp
                                                    > 🍃 META-INF
                                                     > > WEB-INF
                                                                  favicon.ico
                                                                index.html
                             > 🗁 test
```

Code:

HelloAppEngine.java

```
package in.ac.famt;
import java.io.IOException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet(
    name = "HelloAppEngine",
    urlPatterns = {"/hello"}
)
public class HelloAppEngine extends HttpServlet {
    @Override
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws IOException {
```

```
response.setContentType("text/plain");
  response.setCharacterEncoding("UTF-8");
  response.getWriter().print("Hello App Engine! By Bhushan Shirsat 75\r\n");
}
}
HelloAppEngineTest.java
package in.ac.famt;
import java.io.IOException;
import org.junit.Assert;
import org.junit.Test;
public class HelloAppEngineTest {
 @Test
 public void test() throws IOException {
  MockHttpServletResponse response = new MockHttpServletResponse();
  new HelloAppEngine().doGet(null, response);
  Assert.assertEquals("text/plain", response.getContentType());
  Assert.assertEquals("UTF-8", response.getCharacterEncoding());
  Assert.assertEquals("Hello App Engine!\r\n", response.getWriterContent().toString());
}
}
Index.html
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml" lang="en">
 <head>
  <meta http-equiv="content-type" content="application/xhtml+xml; charset=UTF-8" />
  <title>Hello App Engine</title>
 </head>
 <body>
  <h1>Hello App Engine!</h1>
```

```
Available Servlets:
 <a href='/hello'>The servlet Bhushan: </a>
 </body>
</html>
```

Output:

