1. Create web based application which use entity as resources. Create web service to get and put derails of resource information. Create customer entity with customer id and customer name.

**Step1**: To register a MySQL server, go to the IDE's Services window, right-click the Databases node, and select Register MySQL server.

**Step2**: A dialog opens in which you have to write host root and it’s password with appropriate port number in which your mysql is connected.

**Step3**: Start the MySQL server and connect to it.

**Step4**: Right-click the MySQL server node and select Create Database with appropriate name for example student.

**Step5**: type new database name as student and allow all access to root user.

**Step6:** after clicking yes it will create your database and also give connection to it.

**Step7:**select your project right click on project select new > others > web services > RESTful Web Services from Database.

**Step8:** New RESTful Web Service wizard opens, In the Database Tables panel, if you are using the GlassFish server, select the jdbc/sample data source from the Data Source drop-down field.

**Step9:**it will show available tables in your database in that you need to select student\_info table and click on add button.

**Step10:**Click Next. The Entity Classes page opens. Under Package, type entities.

**Step11:** Click Next. The Generated Classes panel opens. In that you can select any of either EE5 or EE6 RESTful web services.

**Step12:** Accept the default packages and locations and click Finish.

Now test web service:-

**Step13:** Right-click the project and choose Test RESTful Web Services. In that select locally generated test client if not selected.

**Step14:** Select where to generate the test client and click OK.

**Step15:** Click the entities.customer node. In the "Choose method to test" field, select either GET (application/json) or GET (application/xml). Click Test. It will show rav view by default.

Exit browser and return to IDE.

2. Create restful web service using Persistence class and display hello world message when client get and retrieve class as resource.

**Step1:** to create new project select File > new project.

**Step2:** from categories select java web and from project select web application and click on next.

**Step3:** type appropriate project name such as Firstrestful and click on next.

**Step4:** select server as glass fish server.

**Step5:** click on next and finish.

**Step6:** now project is created then right click on project select new > others > web service> restful web service from patterns.

**Step7:** select simple root resource and click on next.

**Step8:** and then type resource package name.

**Step9:** type firstrestful in path field. And write Firstrestful in class name field.

**Step10:** and then select MIME type text/html.

**Step11:** click on finish.

It shows rest resource configuration page.

**Step12:** click on ok.

A new file firstrestful. Java show on source package.

**Step13:** in firstrestful.java find getHtml() method. Remove all the content in that method and write below code,

Return “<html><body><h1>hello world </h1></body></html>”;

**Step14:** now right click on project and select test restful web services. To test the services.

To run project:-

**Step15:** right click on project and select properties.