

1. Build the Application

Step1: Extract the downloaded Zip i.e. WeatherProject-WP-R2 and copy it to a project location.

Step2: If Maven is already installed in the system then open command prompt and go to the project location. If Maven is not installed please see the **Maven Installation Section 3**.

Step3: After Navigating to WeatherProject-WP-R2 project location in command prompt run the below command.

```
mvn clean install
```

Step4: After successful run project will be compiled successfully and the target folder gets created in your project location.

Step5: Inside the target folder there will be below files along with few more files.

One is deployment project and other one is war file

```
WeatherDisplay-0.0.1-SNAPSHOT
```

```
WeatherDisplay-0.0.1-SNAPSHOT.war
```

Step6: Deploy any of the above in a server.

Step7: After successful deployment, open browser and give the url as below to access the application

```
http://<system>:<port>/WeatherDisplay-0.0.1-SNAPSHOT/
```

```
example: http://localhost:8080/WeatherDisplay-0.0.1-SNAPSHOT/
```

```
<System>: Default is localhost
```

```
<port> : Default port for Tomcat is 8080. Default port for weblogic is 7001
```

2. Accessing the Application

Step1: Click on the url as below to get to the Home page of the application.

http://<system>:<port>/ WeatherDisplay-0.0.1-SNAPSHOT/

example: http://localhost:8080/WeatherDisplay-0.0.1-SNAPSHOT/

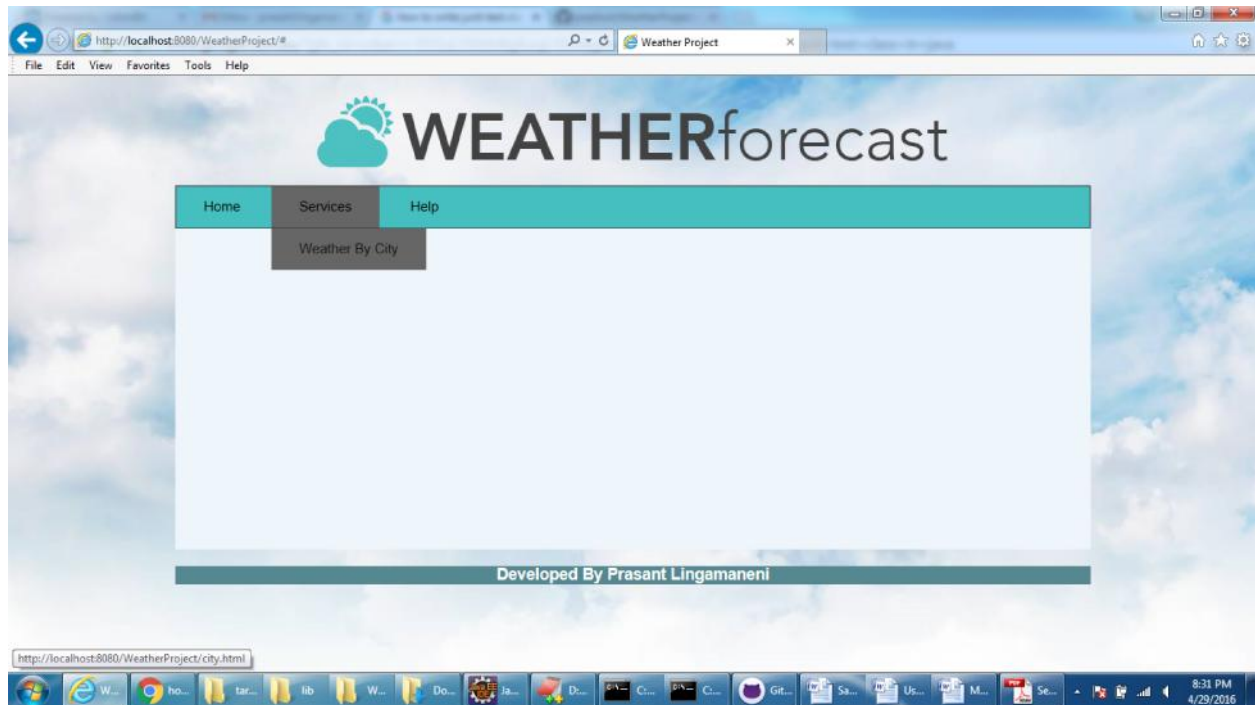
<System>: Default is localhost

<port> : Default port for Tomcat is 8080. Default port for weblogic is 7001



Step2: Click on Home will navigate to the above Page

Step3: Navigate to Services menu and click on Weather by City Menu as shown below.



Step4: After click on Weather by City menu below screen appears with an option to select a city.



Step5: Select a city from the dropdown.



Step6: Current weather data of the selected city will be displayed in same screen.



Help Menu

Click on Help Menu to open the User Guide document in new window.

Adding new Cities

To add a new city in to the dropdown list, add an entry in to the **props/citylist.xml**

3. Installing Maven

Step1: Download the maven software: from below url
<http://maven.apache.org>

Step2: Make sure that JDK installed jdk 1.5 and above

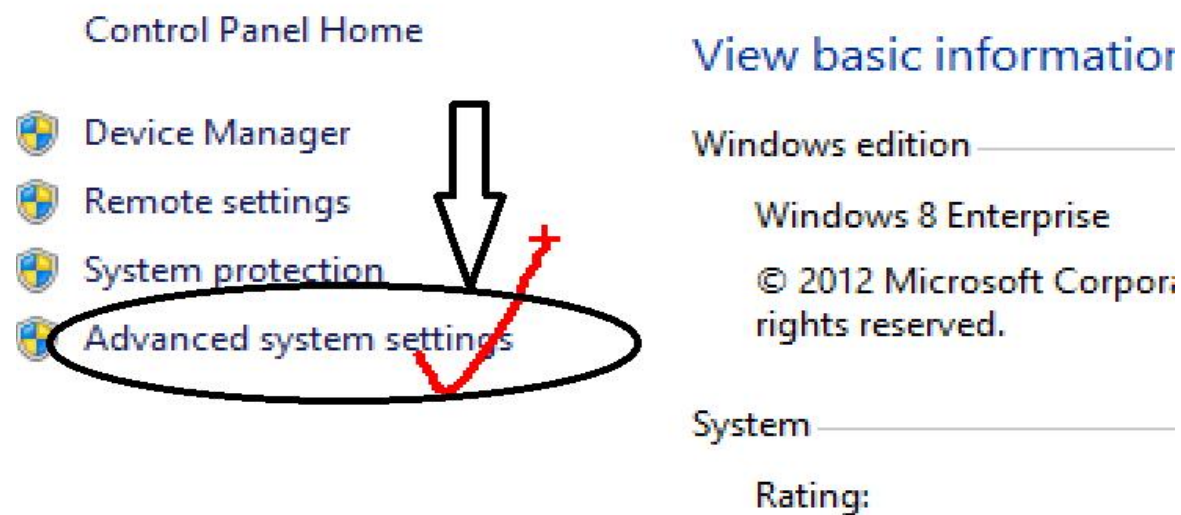
Step3: Set the JAVA_HOME variable as shown below

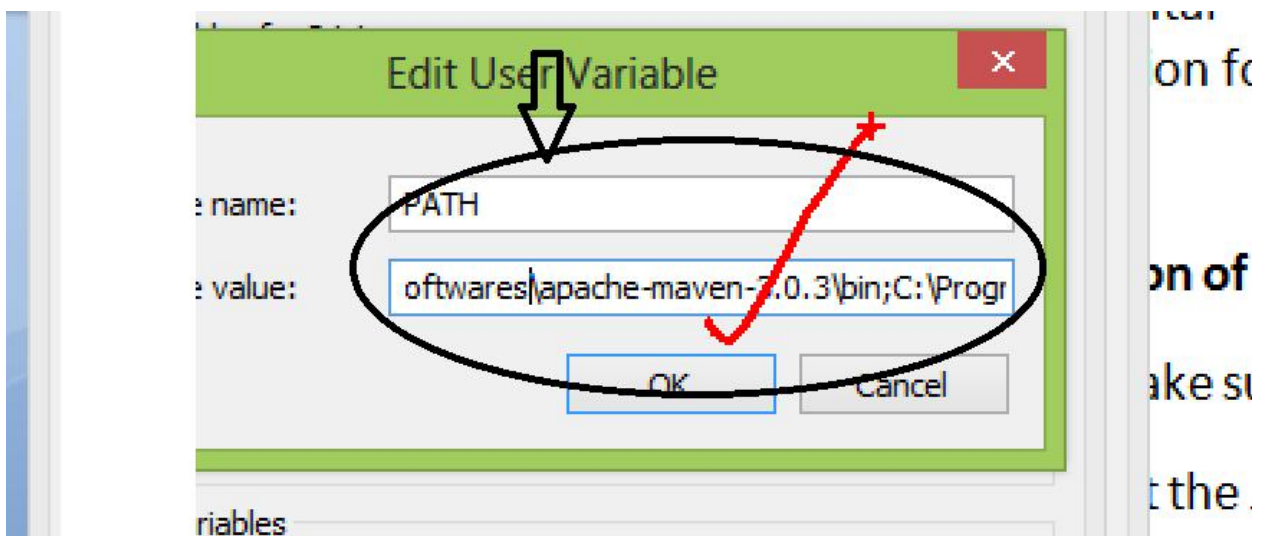
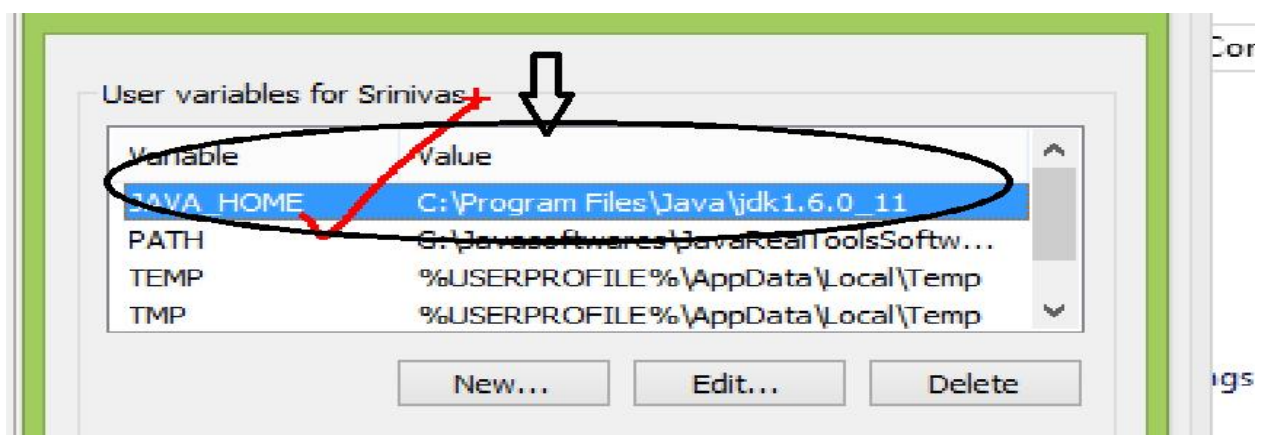
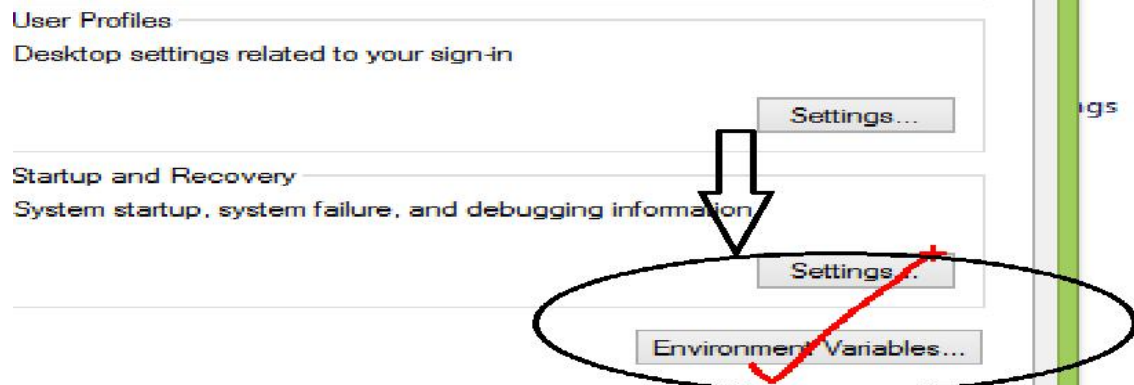
Step4: Go to ->computer->click on properties->AdvancedSystemSettings->Go to Environment variables->Variable Name:

JAVA_HOME to C:\Program Files\Java\jdk1.6.0_11;

M2_HOME to C:\Javasoftwares\JavaRealToolsSoftwares\apache-maven-3.0.3\bin;

Step5: Click on OK->Ok->Finish





Step7: Go to Command Prompt and type mvn

```
C:\Users\Srinivas>
C:\Users\Srinivas>mvn
[INFO] Scanning for projects...
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 0.367s
[INFO] Finished at: Thu Jul 10 19:13:53 IST 2014
[INFO] Final Memory: 1M/4M
[INFO] -----
[ERROR] No goals have been specified for this build. You m
or <plugin-group-id>:<plugin-artifact-id>[:<plugin-version>
process-sources generate-resources process-resources c
```

Step8: Build failure means maven is successfully installed in your System.