Assuming java is working on your laptop/desktop

To check, go to command prompt and type

>javac

Download tomcat from tomcat official website

Extract in to say C drive

**How to install tomcat?**

**(For Windows)**

You need to create an *environment variable* called "JAVA\_HOME" and set it to your JDK installed directory.

1. First, take note of your JDK installed directory. The default is "c:\Program Files\Java\jdk1.8.0\_{*xx*}", where {*xx*} is the latest upgrade number. It is **important** to verify your JDK installed directory, via the "Computer", before you proceed further.
2. Start a CMD shell, and issue the command "set JAVA\_HOME" to check if variable JAVA\_HOME has been set:
3. > **set JAVA\_HOME**

Environment variable JAVA\_HOME not defined

If JAVA\_HOME is set, check if it is set to your JDK installed directory correctly. Otherwise, goto next step.

1. To set the environment variable JAVA\_HOME in Windows 2000/XP/Vista/7/8: Push "Start" button ⇒ Control Panel ⇒ System ⇒ (Vista/7/8) Advanced system settings ⇒ Switch to "Advanced" tab ⇒ Environment Variables ⇒ System Variables ⇒ "New" (or "Edit" for modification) ⇒ In "Variable Name", enter "JAVA\_HOME" ⇒ In "Variable Value", enter your JDK installed directory (e.g., "c:\Program Files\Java\jdk1.8.0\_{xx}").
2. To verify, **RE-START** a CMD shell (need to refresh the environment) and issue:
3. > **set JAVA\_HOME**

JAVA\_HOME=c:\Program Files\Java\jdk1.8.0\_{*xx*} <== Verify that this is YOUR JDK installed directory

**How to set class path?**

1. Go to tomcat home directory and browse to …/lib/
2. Copy the path
3. Go to environment variables and under system variables create a new entry with

Variable name = CLASSPATH

Variable value = <the url you have just copied>

1. Save and exit.

**How to run tomcat?**

1. Navigate to tomcat directory
2. Go to bin
3. Execute startup.bat
4. Wait for the server to start
5. Open browser
6. Go to the url : localhost:8080
7. A tomcat demo page will be displayed.
8. Extract the SamplePrograms.rar
9. Copy the two sample programs folders attached <tomcat-directory>/webapps/
10. To run firstservlet
    1. Go to the url : <http://localhost:8080/firstservlet/hello>
11. To run second servlet
    1. Go to the url : <http://localhost:8080/secondservlet/>