```
1    May 1st 2018
2
3    I am trying to give information about todays class as per my understanding, those who
     dint came can go through and we can discuss with sir in next class.
4
5    download Spring-tool-suite
6    extract it/unzip it.(through command mode)
7    we will get a folder 'sts-bundle'
8    inside sts-bundle we have 3 sub folders(legal,pivotal-tc-server,sts-3.9.4.RELEASE)
9    inside sts-3.9.4.RELEASE folder we must see STS.exe file with green leaf symbol.
10   install/double click on it.
11   it will ask for a path.
12   C:\Users\Naveen Reddy\Documents\workspace-sts-3.9.4.RELEASE
13   but we need to give the following path(C:\Users\Naveen Reddy\devtools\workspace-sts)
14   *********************************************************************************
     **********************************************
15   Now download Apache-Tomcat
16
17   http://tomcat.apache.org/download-80.cgi
18   we need to go for 8.5.30 version.
19   Depending up on your system 32/64 bit download it.
20   you can see the zip file in downloads folder.
21   we need to move it to devtools.(command mode)
22   unzip it(tcommand mode).
23   we can see the folder with name Apache-tomcat-8.5.30.
24   rename it to 'tomcat8'.
25   now move to 'tomcat8'(e.g.:c:\users\naveenreddy\devtools\tomcat\bin)
26   ls -lrt(here we can see list of files .sh, .bat, .exe, .gz, .dll, .jar, .xml files)
27   we need to heck the version(command: .\version.sh)
28   then we need to start up (command: .\startup.sh)
29   (we can see version,startup,shutdown etc.... in bin folder)
30
31   we configured Apache and jenkins(jenkins we couldn't make ot today)
32   Apache and jenkins works on same port number(8080), we need to change the port number
     of Apache-Tomcat to 8181(because two applications cannot run on same port number)
33
34   check your ip adress of your system and copy it and paste it in browser, and give port
     number as 8080(e.g: 192.168.0.141:8080) it will open apache.
35
36   to change the port number we need to configure.
37   for that we need to go inside 'conf' folder.
38   Note:those who can open through command mode can do it by 'vi server.xml' else go
     through GUI and right click on 'server.xml' file and open it with Notepad(or)Atom.
39   Here we can see the following code at line 69 in xml document.
40
41   <Connector port="8080" protocol="HTTP/1.1"
42                connectionTimeout="20000"
43                redirectPort="8443" />
44
45   In above XML code we need to change the Connector port to 8181 as below
46
47   <Connector port="8181" protocol="HTTP/1.1"
48                connectionTimeout="20000"
49                redirectPort="8443" />
50
51   save it and come out.
52
53   Remember: after every chage we made, we need to navigate to bin folder(command mode) we
     need to shutdown and startup.
54   (e.g. .\shutdown.sh
55        .\startup.sh)
56
57   after doing the above change, we need to check it. Type ip:8181, it must suppose to
     open apache-tomcat.
58   Success right....
59
60   once it opens in web browser we can see three options at right side of page
61   1.Server Status
62   2.MAnager APP
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63    3.Host MAnager
64
65    If we click on any of the above we will get an error page saying that we are
      Unauthorized.
66    To get Authorizations we need to small changes as below...
67
68       changes in XML, so we can do it by 'vi <file_name>.xml' or through graphical
         mode(by openeing it through Notepad/Atom) as i explained above in port number change.
69
70       go to 'tomcat-users.xml'
71       at line number 39, we pasted the following code but we got an error
72
73    <role rolename="tomcat"/>
74    <role rolename="manager-gui"/>
75    <role rolename="manager-script"/>
76    <role rolename="admin-gui"/>
77    <user username="tomcat" password="tomcat" roles="tomcat"/>
78    <user username="manager" password="tomcat" roles="tomcat,manager-gui"/>
79    <user username="jenkins" password="tomcat" roles="manager-script"/>
80    <user username="Naveen" password="tomcat" roles="admin-gui"/>
81
82      to rectify the above error sir gave another code as below
83
84      <role rolename="admin-gui"/>
85     <role rolename="manager-gui"/>
86    <user username="admin" password="tomcat" roles="admin-gui,manager-gui"/>
87
88    now also it dint worked so, read the error carefully.
89
90  now we went to 'context.xml'
91  opened it.
92  there in line number 20 you will not see |.* after
    'allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1'
93  so please change/edit to allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1|.*"  as shown
    below.
94
95  <Context antiResourceLocking="false" privileged="true" >
96    <Valve className="org.apache.catalina.valves.RemoteAddrValve"
97          allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1|.*" />
98
99
100 save it, close the browser, close all notepad or atom.
101
102 now open new browser, put the ip (remember port number 8181)
103
104 click on any of
105 1.Server Status
106 2.MAnager APP
107 3.Host MAnager
108
109 it will ask for user_id and password.
110 provide the credentials and check whether its openeing or not....
111
112 userid:admin
113 password:tomcat
114
115 ****************************************************************************************
    ****************************************************
116 THANK YOU.
117
118
119
120
121
122
123
124
125
126
```