Ant Assignments1

1. Define a 'Rangoli' to draw a rangoli pattern on command Line by using rows and columns values. Define the targets compile, run, init in build.xml.Execute each of the targets from command line by entering the name of target task to ant.
2. In the above build targets specify the dependency on respective tasks i.e run on compile and so on and run in sequence from command line.
3. Modify the above 'Rangoli' class to accept the command line arguments for drawing number of rows and columns and execute from command line by entering required arguments.
4. Define the above tasks in config.xml and run using ant by specifying the name of xml from command line.
5. Build a jar file from the above resources and move it to another directory on another drive and delete the .class files and run the class Rangoli from current directory by specifying the jar in classpath.
6. Define the path and name of above jar file in a local property variable and execute the task by using the property variable name.
7. Define the path and name of above jar file in external properties file and execute the task by using the property file path and variable defined in the properties file.
8. Define a custom task class to display a message and copy the source files. Define an ant target to compile and add this class to jar and move it to another directory outside the current directory. Define a target to run this custom task by specifying the classpath and name within another target.
9. Define a web application with servlet named 'LoginServlet' and html file to send login parameters to the servlet. Define ant targets to compile and add them to war file and deploy on tomcat server directory. Use tomcat custom ant tasks to start and stop the server. Specify the path of tomcat home directory in external properties file.
10. Use tomcat deploy task in above build and execute it.