Task 1: Error in calculating cost price in portfolio summary table:

* In phpMyAdmin if We use variable name of procedure as same as in table column name it can’t execute the query properly and show all the rows in the table.
* That’s why keep in mind that the query variable name should be different to the table column names.

Task 2: Convert the Java application into Rest API

* First of all, we need to add some maven dependency in the project pom.xml file. For Json read and write use gson artifact, for byte code manipulation and maintain users organized by category and frameworks using like hibernate, spring etc. we need to add asm jars.
* To provide the restful API services we need to add some java sun jersey dependencies to the pom.xml and as well as jsr311 jar.
* After adding those jars we need to configure out build path. So, to go

Right click on Project🡪Build Path🡪configure build path 🡪 project facets🡪 add runtimes (Apache Tomcat)🡪 apply🡪 ok

Right click on project🡪 build path 🡪 configure build path 🡪 deployment assembly🡪 add🡪 gradle/maven dependency🡪 ok (If Showing error, jersey/tomcat description the Origin server did not find a current representation for target resource) /(java.lang.ClassNotFoundException:com.sun.jersey.spi.container.servlet.ServletContainer)

Right click on Project🡪Build Path🡪configure build path 🡪 project facets🡪 Click java version change 🡪 apply🡪 ok (If showing error, Java compiler level does not match the version of the installed Java project facet)

* We need to create a web.xml file under the Web Content🡪 WEB-INF which will contain the servlet container with parameters. Have to provide the package name which will handle the requests and response as param-value under the servlet token
* The provide the servlet mapping according to your desire.
* Now the java application is ready for handling requests and response.

Task 3: Create a service class named PortFolioService

* Provide the path of the url
* Then create a hibernate connection for database query and manipulation.
* After getting the desired data according to the parameter defined in the service class convert the data into json format then send it to the client.