**Developing a Backend Admin for Learner’s Academy**

**Writeup:**

**MySQL Database**

* Create a database
* Create tables(Class,Student,subject and teacher)
* Insert values in the tables

**Classes**

* Create classes for student,subject,teacher and class in com.portal.classes package
* Declare variables in each classes and generate getters and setters

Context.xml

* Create a resource tag and enter the database details like username, password, driver class name, url and type

DbRetrieve.java

* Create methods(students, subject, class and teacher) to get the values from the database using sql queries and resultset statements

**JSP**

* Create a login.jsp and create a form to get the username and password & call controller servlet
* Create 4 more jsp’s to display the student,class,subject and teacher values

**Controller Servlet**

* Create a servlet , using the resource already created, make a database connection
* Get the command value from login.jsp
* Create 4 methods (students list, teachers list, subjects list, classes list) to retrieve the list of tables values from the database
* If command value is null, call classlist method
* Else, use use switch statement to call appropriate list method
* Create a login method to validate username and password.If entered correctly, show classes list else redirect to login.jsp page