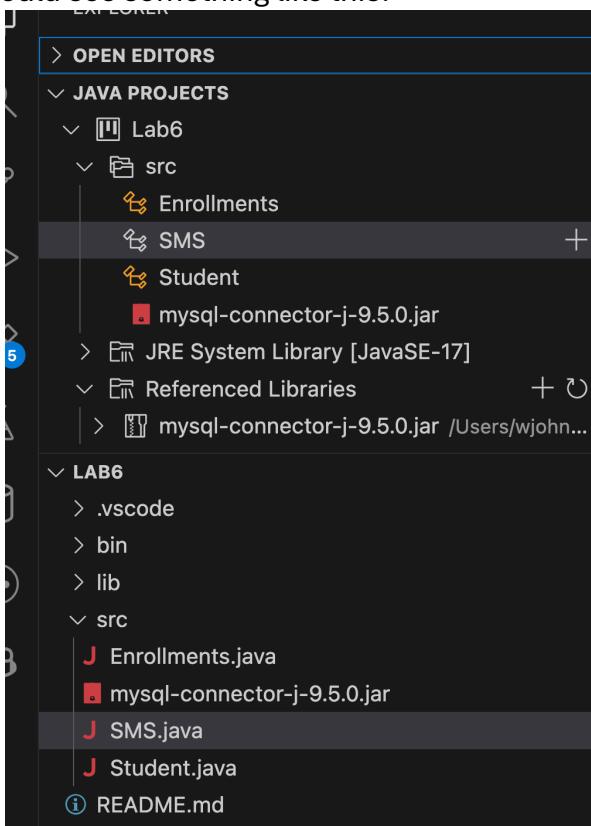


CSc3350: Software Development

Lab6

- 1) You are building a new version of the student management system (SMS) database first used in Lab4.
- 2) Open dBeaver copy and paste the SQL file into a script window and execute the script to create and load data into the ‘SMS2’ database. Note: if you run the script again, it will DELETE the SMS2, then recreate it completely.
- 3) Click Refresh to see the new database.
- 4) You are given **three java files** to be used for completing this lab. NO CHANGES in **Enrollments.java** files, one change in **Student.java** file is the MySQL password in the SQL statement.
- 5) Ensure you have the Java Database Connection library file (mysql-connector-j-9.5.0.jar) stored same place your ‘src’ folder with the java files.
- 6) You should see something like this:



- 7) Click the plus sign to the right of “Referenced Libraries +”. When prompted, double click on the mysql-connector-j-9.5.0.jar file. Now you can run the program “SMS.java” to connect with MySQL and print the report.
- 8) Implement the code modifications per the comments in **SMS.java** file. At this point you should be able to print output formatted like on page2, use dynamic arrays,
- 9) Study how the code is in components (classes) that exhibit good cohesion.
- 10) TURN IN:
 - a. YOUR MODIFIED **SMS.java** file.
 - b. A screen shot of your output shown on page 2.
- 11) File types allowed are: **.java, .pdf, .png, .jpeg**,

CSc3350: Software Development

Lab6

REPORT FOR ENROLLMENTS OF STUDENTS:

Student Enrollment Report by Dr. Johnson				
ID	CLASS	MAJOR	NAME	Enrollments
11	FRESHMAN	CS	Grace Hopper	<ul style="list-style-type: none">1) CS-1301, HRS:4, CS Principles I2) Math-2211, HRS:4, Calculus3) Math-3455, HRS:4, Analysis <hr/>
12	SENIOR	Math	Charles Babbage	<ul style="list-style-type: none">1) CS-4250, HRS:4, Design and Analysis of Algorithms2) EE-4550, HRS:4, Statics <hr/>
22	JUNIOR	EE	Alan Turing	<ul style="list-style-type: none">1) CS-4250, HRS:4, Design and Analysis of Algorithms2) CS-3350, HRS:4, Software Development3) Math-3455, HRS:4, Analysis4) ITS-4222, HRS:4, Project Management5) EE-3550, HRS:4, Circuits <hr/>
23	FRESHMAN	Math	Ada Lovelace	<ul style="list-style-type: none">1) Math-2211, HRS:4, Calculus2) EE-3550, HRS:4, Circuits <hr/>
24	SOPHOMORE	ITS	Edgar Codd	<ul style="list-style-type: none">1) ITS-4222, HRS:4, Project Management2) ITS-4677, HRS:3, Management Info Sys <hr/>
30	SENIOR	CS	Thomas Kurtz	<ul style="list-style-type: none">1) CS-4850, HRS:4, Intro to AI2) CS-4840, HRS:3, Machine Learning <hr/>