1. **Session 9: Database and Java**
2. **Intended Learning Outcome:**
   1. Learn about Database and MySQL commands.
   2. Learn about JDBC and how to connect Database
3. **Expected skills:**- Knows what is RDBMS  
   - Knows about SQL database and some basic SQL commands.  
   - Knows what is JDBC.  
   - Knows how to put data in Database.  
   - Knows how to delete data from Database.  
   - Can connect Java application with database.
4. **Tools Required:**

a. JDK   
b. ECLIPSE / NETBEANS

c. [mysql-connector.jar](http://www.javatpoint.com/src/jdbc/mysql-connector.jar) file

1. **Session Detail:**1. Teacher will give lecture on: (20 min)  
   - RDBMS, API, JDBC   
   2. Teacher will show how to create MySQL database: (30 min)  
   3. Teacher will show how to connect Database with a Java program. (30 min)  
   4. Teacher will explain different methods used in the connector class. (30 min)  
   5. Project Mentors Session (60 min)
2. **Post Lab Exercise:**
   1. Find out how to connect SQLite Database with you application.
   2. Take this quiz at home <https://www.w3schools.com/sql/sql_quiz.asp>
3. **Further Readings:**
   1. www.ccs.neu.edu/home/kathleen/classes/cs3200/JDBCtutorial.pdf
   2. <https://www.w3schools.com/sql/>
   3. <https://www.tutorialspoint.com/jdbc/index.htm>