PHASE 2

1. JDBC – 4 hours (M)
2. Servlets – 12 hours (T W TH)
3. JSP – 12 hours (F M T)
4. Hibernate – 8 hours (W Th)

DATABASE:

1. LMS   
   sudo mysql -uroot -pSimplilearn
2. Show databases;
3. CREATE DATABASE voda2023;
4. Use voda2023;
5. create TABLE customer(email varchar(80) PRIMARY KEY, phone varchar(15),

password varchar(50), city varchar(50), ismember tinyint);

1. INSERT INTO `customer` VALUES ('sh@g.c','1111111111','sh','Mum',0);
2. INSERT INTO `customer` VALUES ('ab@g.c','2222222222','ab','Pune',1);
3. Select \* from customer;
4. Download driver i.e jar file [JAR -> Java Archive ] type 4 driver  
   <https://mvnrepository.com/artifact/mysql/mysql-connector-java/8.0.28>

Java and Database

1. Download the respective driver depending on the database
2. Add the driver in the project using build path if it is a core java application
3. Load the driver  
   Class.forName(<name of the driver>)
4. Connection to the database , specify the connection parameters  
   DriverManager.getConnection(<url>, <username>, <password>)  
   url : IP address + port number
5. Statement reference
6. Select query => stat.executeQuery()
7. Insert/ update/ delete => stat.executeUpdate()
8. Download tomcat zip from https://tomcat.apache.org/download-90.cgi

File -> New -> Project -> Dynamic Web Project

Add Project name => ServletDemo

Click on => New Runtime => Choose Apache => Tomcat 9.0 => Next

Choose Browse and point the path of tomcat unzipped folder then finish

Then Next innew Project Window => next => Selecyt web.xml and finish