

S1: Database

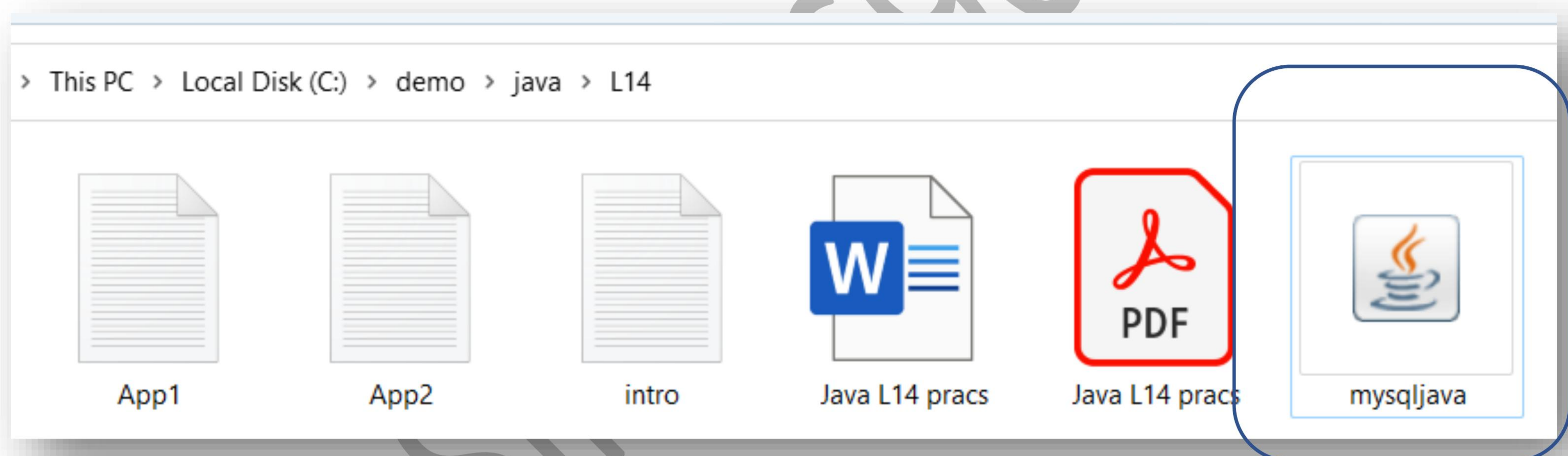
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -pabc123

mysql> create database tcs_10june23;
Query OK, 1 row affected (0.06 sec)

mysql> use tcs_10june23;
Database changed

mysql> create table emp(eid int primary key, name varchar(10));
Query OK, 0 rows affected (0.15 sec)

S2: place the jar file in ur folder



S3: Create Record

i) Write code

```
// import lib
import java.sql.*;
import java.io.*;

class P3 {
    public static void main(String args[]) {
        Console c = System.console();

        try {
            // load the driver
            DriverManager.registerDriver(new com.mysql.cj.jdbc.Driver());

            // get the connection
            String url = "jdbc:mysql://localhost:3306/tcs_10june23";
            String username = "root";
            String password = "abc123";
            Connection con = DriverManager.getConnection(url, username, password);

            // create record
            int eid = Integer.parseInt(c.readLine("enter emp id "));
            String name = c.readLine("enter name ");
            String sql = "insert into emp values(?, ?)";
            PreparedStatement pst = con.prepareStatement(sql);
            pst.setInt(1, eid);
            pst.setString(2, name);
            pst.executeUpdate();
            System.out.println("record created ");

            // close the connection
            con.close();
        } catch (SQLException e) {
            System.out.println("issue " + e);
        }
    }
}
```


ii) Compile and run code

L14>javac -cp mysqljava.jar P3.java

L14>java -cp mysqljava.jar;. P3

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S4: View Record

i) Write code

```
// import lib
import java.sql.*;
import java.io.*;

class P4 {
    public static void main(String args[]) {
        Console c = System.console();

        try {
            // load the driver
            DriverManager.registerDriver(new com.mysql.cj.jdbc.Driver());

            // get the connection
            String url = "jdbc:mysql://localhost:3306/tcs_10june23";
            String username = "root";
            String password = "abc123";
            Connection con = DriverManager.getConnection(url, username, password);

            // view record
            String sql = "select * from emp";
            PreparedStatement pst = con.prepareStatement(sql);
            ResultSet rs = pst.executeQuery();
            while(rs.next())
                System.out.println("id = " + rs.getInt(1) + " name = " + rs.getString(2));

            // close the connection
            con.close();
        } catch(SQLException e) {
            System.out.println("issue " + e);
        }
    }
}
```


ii) Compile and run code

L14>javac -cp mysqljava.jar P4.java

L14>java -cp mysqljava.jar;. P4