***Assignment 9 :***

**1) *JBCD Make a new file read.txt***

***add a data of student assigned as***

***name,rollnuber,marks,percentage.***

***tom,101,500,95%***

***of 10 student.***

***Read a txt file.***

***Make a database connection and store the data in student table with attribute***

***name varchar(30),***

***rollnumber int(10),***

***marks int (10),***

***percentage int(10)***

**Ans:**

**import java.sql.\*;**

**class JDBCExample**

**{**

**static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";**

**static final String DB\_URL = "jdbc:mysql://localhost:3306/STUDENT";**

**static final String USER = "root";**

**static final String PASS = "";**

**public static void main(String[] args)**

**{**

**Connection conn = null;**

**Statement stmt = null;**

**Try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**System.out.println("Connecting to a selected database...");**

**conn = DriverManager.getConnection(DB\_URL, USER, PASS);**

**System.out.println("Connected database successfully...");**

**System.out.println("Inserting records into the table...");**

**stmt = conn.createStatement();**

**String sql = "INSERT INTO `student` (`rollno`, `name`, `marks`, `percentage`) VALUES ('103', 'tom', '625', '97%')";**

**stmt.executeUpdate(sql); System.out.println("Inserted records into the table...");**

**}**

**catch(SQLException se)**

**{**

**se.printStackTrace();**

**}**

**catch(Exception e)**

**{**

**e.printStackTrace();**

**}**

**finally**

**{**

**Try**

**{**

**if(stmt!=null)**

**conn.close();**

**}**

**catch(SQLException se)**

**{**

**}// do nothing**

**Try**

**{**

**if(conn!=null)**

**conn.close();**

**}**

**catch(SQLException se)**

**{**

**se.printStackTrace();**

**}**

**}**

**System.out.println("Bye!");**

**}**

**}**

**// Read a text file**

**import java.io.IOException;**

**import java.io.Reader;**

**import org.apache.ibatis.io.Resources;**

**import org.apache.ibatis.session.SqlSession;**

**import org.apache.ibatis.session.SqlSessionFactory;**

**import org.apache.ibatis.session.SqlSessionFactoryBuilder;**

**public class mybatisRead\_byID {**

**public static void main(String args[]) throws IOException{**

**int i = 1;**

**Reader reader = Resources.getResourceAsReader("SqlMapConfig.xml");**

**SqlSessionFactory sqlSessionFactory = new SqlSessionFactoryBuilder().build(reader);**

**SqlSession session = sqlSessionFactory.openSession();**

**//select a particular student by rollno**

**Student student = (Student) session.selectOne("Student.getByrollno", 103);**

**//Print the student details**

**System.out.println(student.getrollno());**

**System.out.println(student.getName());**

**System.out.println(student.getmarks());**

**System.out.println(student.getPercentage());**

**session.commit();**

**session.close();**

**}**

**}**

**Output:**

**103**

**Tom**

**625**

**97%**