

Assignment 9

Q.1) JDBC make a new file read.txt add a data of student assigned as name, roll-number, 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 (SQL Exception se)
{
    se.printStackTrace();
}
catch (Exception e)
{
    e.printStackTrace();
}
finally
{
}
```



```
Try
{
    if (stmt != null)
        Conn.close();
}
catch (SQL Exception se)
{
    } // do nothing
Try
{
    if (Conn != null)
        Conn.close();
}
catch (SQL Exception 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 MybatisReadById {  
    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());
```