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)

```java
import java.sql.*;
class JDBC
 {
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...");
```

```java
conn = DriverManager.getConnection(DB_URL,
USERNAME, PASSWORD);

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 ('20', 'sam', '701',
'93.47%')";


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();
  }
```

```java
catch(SQLException se)
{
    se.printStackTrace();
  }
 }
 System.out.println("Have a good day! ");
}
}
```

// Read a text file

```java
import java.io.IOException;
import java.io.Reader;
```

```java
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);
```

```java
//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();


    }


}
```

```
20

Sam

701
```

93.47%