

Assignment ~ 9

TBCD make a new file read.txt add a data
of student assigned as name, roll number,
marks, percentage tom, 101.522, 95%, 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)

```
import java.sql.*;  
class JDBCExample  
{  
    static final String JDBC_DRIVER = "com.mysql.  
        JDBC_DRIVER";  
    static final String DB_URL = "jdbc:mysql:  
        ://local host: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 success-  
tully.");
```

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

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

```
String sql = "INSERT INTO student ("rollno",  
"name", "marks", "percentage") VALUES  
(108, "tom", 525, 96.7%);
```

```
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 (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.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.open-
session();

// select a particular student by roll no

```
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());
```