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SMARTBRIDGE EXTERNSHIP
Modern Application Development (Java Spring Boot)
ASSIGNMENT - 3

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1. Implement java assignment for java JDBC using java.

```
package java_eclipse;

public class CreateTable
{
    public static void main(String[] args)
    {
        Connection conn = null;
        Statement stmt = null;
        ResultSet rs = null;
        String TableName;
        String NameString, RollString, MarksString,
GradeString;
        try
        {
            String userName = "root";
            String password = "root";
            String url =
"jdbc:mysql://localhost:3306/test";

            Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
```

```

        conn = DriverManager.getConnection(url,
userName, password);

        stmt = conn.createStatement();

        stmt.execute("create table JavaCourse(Roll
Integer primary key, Name Varchar(30), Marks Integer not
null,Grade Varchar(2))");

        stmt.execute("insert into JavaCourse
values(01,'Baskar', 75, 'A')");

        stmt.execute("insert into JavaCourse
values(02,'Hrithik', 85, 'S')");

        stmt.execute("insert into JavaCourse
values(03,'Kabilan', 65, 'B')");

        stmt.execute("insert into JavaCourse
values(04,'Koushal', 78, 'A')");

        stmt.execute("SELECT * FROM JavaCourse");
        rs = stmt.getResultSet();
        while(rs.next()) {

            NameString = rs.getString("Name");
            RollString = rs.getString("Roll");
            MarksString = rs.getString("Marks");
            GradeString = rs.getString("Grade");

            System.out.println("Name: =
"+NameString+"\t\t"+"Roll: = "+RollString+"\t\t"+"Marks: =
"+MarksString+"\t\t"+"Grade: =" +GradeString+"\n");

        }

    }

    catch (SQLException ex)

    {

        System.out.println("SQLException: " +
ex.getMessage());
    }

```

```
        System.out.println("SQLState: " +
ex.getSQLState());

        System.out.println("VendorError: " +
ex.getErrorCode());
    }
    catch (Exception e)
    {
        system.out.println("cannot connect to database
server");
    }
    finally
    {
        if (rs != null)
        {
            try
            {
                rs.close();
            }
            catch (SQLException sqlEx)
            {
            }
            rs = null;
        }
        if (stmt != null)
        {
            try
            {
                stmt.close();
            }
            catch (SQLException sqlEx)
```

```

        {
        }

        stmt = null;
    }
    if (conn != null)
    {
        try
        {
            conn.close();
        }
        catch (Exception e)
        {
        }
    }
}
}
}

```

OUTPUT:

Problems Javadoc Declaration Console ×			
<terminated> CreateTable [Java Application] C:\Users\HRITHIK\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v202304			
Name: = Baskar	Roll: = 1	Marks: = 75	Grade: =A
Name: = Hrithik	Roll: = 2	Marks: = 85	Grade: =S
Name: = Kabilan	Roll: = 3	Marks: = 65	Grade: =B
Name: = Koushal	Roll: = 4	Marks: = 78	Grade: =A