

Re: Exception comes from where?

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Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.jdbcdriver/2005-09/msg00012.html>

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 - *Date:* Thu, 08 Sep 2005 21:56:45 -0700
-

PJ Pugh wrote:

Being new to SQLServer, I may be doing something very basic wrong, but here's my problem:

```
Java servlet code is calling a MSSQL stored procedure,
returning this error message:
Main catch exception java.sql.SQLException:
[Microsoft][SQLServer 2000 Driver for JDBC][SQLServer]Line 1:
Incorrect syntax near 'insert_person'
```

I was unable to duplicate the problem. Here's my code. I pasted yours in and just changed the parameters to strings:

```
Properties props = new Properties();
Driver d = new com.microsoft.jdbc.sqlserver.SQLServerDriver();

props.put("user", "joe");
props.put("password", "joe");

c = d.connect("jdbc:microsoft:sqlserver://joe:1433", props );

DatabaseMetaData dd = c.getMetaData();
System.out.println("Driver version is " + dd.getDriverVersion() );
```

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```
String procString = "{call insert_person(?,?,?,?,?,?,?,? )}";
    CallableStatement procCall = c.prepareCall(procString);

    procCall.setString(1, "this.lastName");
    procCall.setString(2, "this.firstName");
    procCall.setString(3, "this.middleName");
    procCall.setString(4, "this.preferredName");
    procCall.setString(5, "this.dateOfBirth");
    procCall.setString(6, "this.gender");
    procCall.setString(7, "this.emailAddress");
    procCall.setString(8, "this.highSchoolName");
    procCall.setString(9, "this.highSchoolGradYear");

    procCall.executeUpdate();
```

I get what I'd expect (because I have no procedure named insert_person), but in order to get your problem, it would have been the SQL parser that threw an exception, which would be before the query plan was being created:

```
C:\ms_driver\examples>java foo
Driver version is 2.2.0037
java.sql.SQLException: [Microsoft][SQLServer 2000 Driver for
JDBC][SQLServer]Could not find stored procedure 'insert_person'.
at
com.microsoft.jdbc.base.BaseExceptions.createException(Ljava.lang.String;Ljava.
Source)
at
com.microsoft.jdbc.base.BaseExceptions.getException(Ljava.sql.SQLException;II[L
Source)
at
com.microsoft.jdbc.sqlserver.tds.TDSRequest.processErrorToken( )V(Unknown
Source)
at
com.microsoft.jdbc.sqlserver.tds.TDSRequest.processReplyToken(BLcom.microsoft.j
Source)
at
com.microsoft.jdbc.sqlserver.tds.TDSRPCRequest.processReplyToken(BLcom.microsof
Source)
at
com.microsoft.jdbc.sqlserver.tds.TDSRequest.processReply(Lcom.microsoft.jdbc.ba
Source)
at
com.microsoft.jdbc.sqlserver.SQLServerImplStatement.getNextResultType( )I(Unknown
Source)
at
com.microsoft.jdbc.base.BaseStatement.commonTransitionToState(I)V(Unknown
```

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```
Source)
at com.microsoft.jdbc.base.BaseStatement.postImplExecute(Z)V(Unknown
Source)
at
com.microsoft.jdbc.base.BasePreparedStatement.postImplExecute(Z)V(Unknown
Source)
at com.microsoft.jdbc.base.BaseStatement.commonExecute()V(Unknown Source)
at com.microsoft.jdbc.base.BaseStatement.executeUpdateInternal()I(Unknown
Source)
at com.microsoft.jdbc.base.BasePreparedStatement.executeUpdate()I(Unknown
Source)
at foo.main(foo.java:40)
```

Java code as follows:

```
public String dbInsertPerson(Connection conn) throws Exception {

    String curErrorId = "";
    CallableStatement procCall = null;
    String procString = "";

    // Make sure no errors have occurred.
    if (curErrorId.equals("")) {
        try { procString = "{call insert_person(?,?,?,?,?,?,?,?)}";
            procCall = conn.prepareCall(procString);

            procCall.setString(1, this.lastName); procCall.setString(2,
            this.firstName);
            procCall.setString(3, this.middleName);
            procCall.setString(4, this.preferredName);
            procCall.setString(5, this.dateOfBirth);
            procCall.setString(6, this.gender);
            procCall.setString(7, this.emailAddress);
            procCall.setString(8, this.highSchoolName);
            procCall.setString(9, this.highSchoolGradYear);

            procCall.executeUpdate();

        }
        catch (SQLException e) { curErrorId = "100";
            throw e;
        }
        catch (Exception e) {
            curErrorId = "101";
        }
    }
}
```

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```
throw e; }
finally {
if (procCall != null) procCall.close();
}
} // end if
return curErrorId;
}
```

Stored procedure code as follows:

```
SET QUOTED_IDENTIFIER ON GO
SET ANSI_NULLS ON GO

CREATE      procedure insert_person
    @lastName      varchar(16),
    @firstName     varchar(16),
    @middleName    varchar(16),
    @preferredName varchar(16),
    @dateOfBirth   varchar(30),
    @gender        varchar(1),
    @emailAddress  varchar(25),
    @highSchoolName varchar(20),
    @highSchoolGradYear varchar(4)
AS
    insert into people (LastName, FirstName, CreationDate, LastUpdateDate,
        MiddleName, PreferredName, DateOfBirth, Gender,
        EmailAddress, HighSchoolName, HighSchoolGradYear)
    values (@lastName, @firstName, getdate(), getDate(), @middleName,
        @preferredName, convert(datetime, @dateOfBirth), @gender,
        @emailAddress, @highSchoolName, @highSchoolGradYear)

GO
SET QUOTED_IDENTIFIER OFF GO
SET ANSI_NULLS ON GO
```

Would one of you non-newbies be so kind as to straighten me out?
I figure it's my ignorance/syntax issue causing some problem, whether in the java callable statement syntax or the stored procedure itself. Also, a pointer to any documentation that might help me resolve future issues on my own would be much appreciated.