Working with Dates in Java & MySql

Simplest for DateTime mysql datatype- using now() function like excel!

Ex. setup query

String createDateTable = "CREATE TABLE jpapa\_dates(id INT AUTO\_INCREMENT

PRIMARY KEY, startDate DATETIME)";

Ex. execute

int result = statement.executeUpdate("Insert into jpapa\_dates(startDate)

values(now())");

Note always use some field order appearing in the (parenthesis) after your table name if there is an auto increment field in your table or some fields in the table structure requiring values as they are not null.

Other alternatives:

Using java.sql.Timestamp to store your date, and PrepareStatement.setTimestamp to insert it.

Ex. with prepared statements. Use the following import

import java.sql.PreparedStatement;

Then execute something similar as follows to grab system Timestamp in Java

PreparedStatement ps = (PreparedStatement) getConnection().prepareStatement("Insert into jpapa\_dates(startDate)

values(?)");

java.sql.Timestamp date = new java.sql.Timestamp(new java.util.Date().getTime());

ps.setTimestamp(1, date);

ps.executeUpdate();

other examples to try

PrepStmt.setTimestamp(1, new java.sql.Timestamp(System.currentTimeMillis()));

Current date injection

PrepStmt.setDate(1, new java.sql.Date(System.currentTimeMillis()));

Even more!

java.util.Date dt = new java.util.Date();

java.text.SimpleDateFormat sdf =

new java.text.SimpleDateFormat("yyyy-MM-dd HH:mm:ss");

String currentTime = sdf.format(dt);

java.sql.Date date = java.sql.Date.valueOf("2017-11-19");