

To resolve this problem we need to use "PreparedStatement(I)".

Advantage of using PreparedStatement

pstmt.setXXXX(object,object);

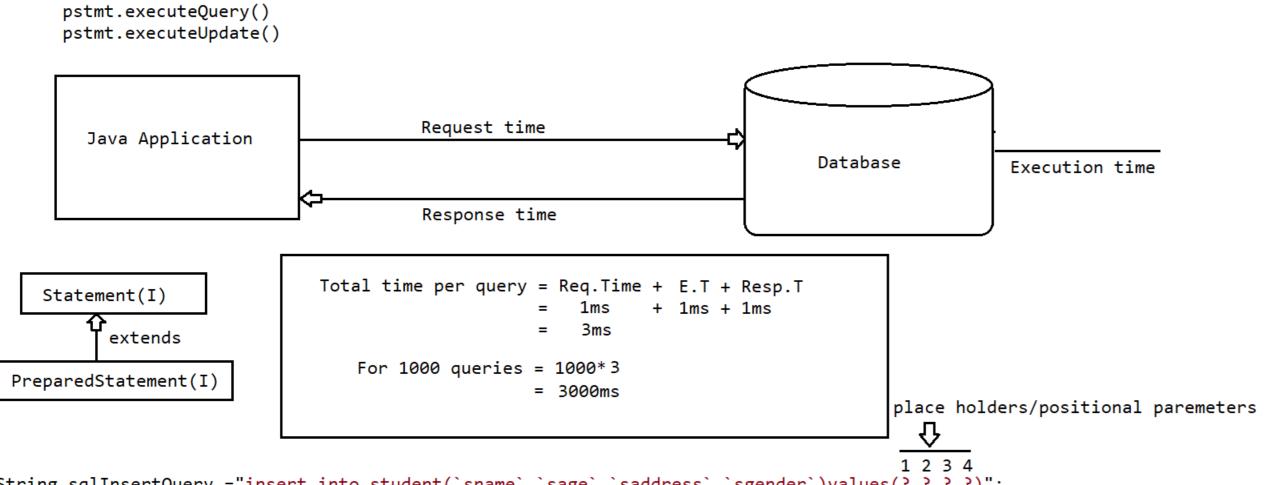
- a. Query will be compiled only once even though we are executing in mulitple time with different inputs.
- b. through this performance is increased.

PreparedStatement prepareStatement(String query) throws SQLException;

PreparedStatement pstmt = con.prepareStatement(sqlQuery)

- 1. At this line query will be sent to database engine. 2. DB engine will compile the query and stores in the database.
- 3. The preCompiled query will be sent to the java application in the form of PreparedStatement Object.

Note: PreparedStatement is also called as "PreCompiledQuery".



String sqlInsertQuery ="insert into student(`sname`,`sage`,`saddress`,`sgender`)values(?,?,?,?)"; PreparedStatement pstmt = con.prepareStatement(sqlInsertQuery); Query is compiled at DB level

//query compiled ready for execution pstmt.setString(1,"apeksha"); pstmt.setInt(2,26); using pstmt can we execute only one query pstmt.setString(3,"MI"); multiple times with change in the inputs. pstmt.setString(4,"F");

int rowCount = pstmt.executeUpdate();