|  |  |  |
| --- | --- | --- |
| **Method** | **Time (ms) with AutoComplete=true** | **Time (ms) with AutoComplete=false** |
| **Statement** | 518 | 493 |
| **Prepared Statement** | 630 | 522 |
| **Batch Prepared Statement** | 476 | 560 |
| **Call Statement** | 628 | 597 |

**Code of Assignment Part:**

public static void Method1CallStmt(Connection con) throws SQLException

{

con.setAutoCommit(true); //AutoCommit set to true

Statement stmnt=con.createStatement();

String address="Rawalpindi";

int semester=6;

String truncate="TRUNCATE TABLE students";

stmnt.executeUpdate(truncate);

CallableStatement callstmnt = con.prepareCall("{CALL addStudent(?,?,?,?)}");

for(int i=1;i<=5000;i++)

{

String name="Tayyaba"+i;

callstmnt.setInt(1,i);

callstmnt.setInt(2,semester);

callstmnt.setString(3,address);

callstmnt.setString(4,name)

callstmnt.executeQuery();

}

}

public static void Method2CallStmt(Connection con) throws SQLException

{

con.setAutoCommit(false); //AutoCommit set to false

Statement stmnt=con.createStatement();

String address="Rawalpindi";

int semester=6;

String truncate="TRUNCATE TABLE students";

stmnt.executeUpdate(truncate);

CallableStatement callstmnt = con.prepareCall("{CALL addStudent(?,?,?,?)}");

for(int i=1;i<=5000;i++)

{

String name="Tayyaba"+i;

callstmnt.setInt(1,i);

callstmnt.setInt(2,semester);

callstmnt.setString(3,address);

callstmnt.setString(4,name);

callstmnt.executeQuery();

}

}