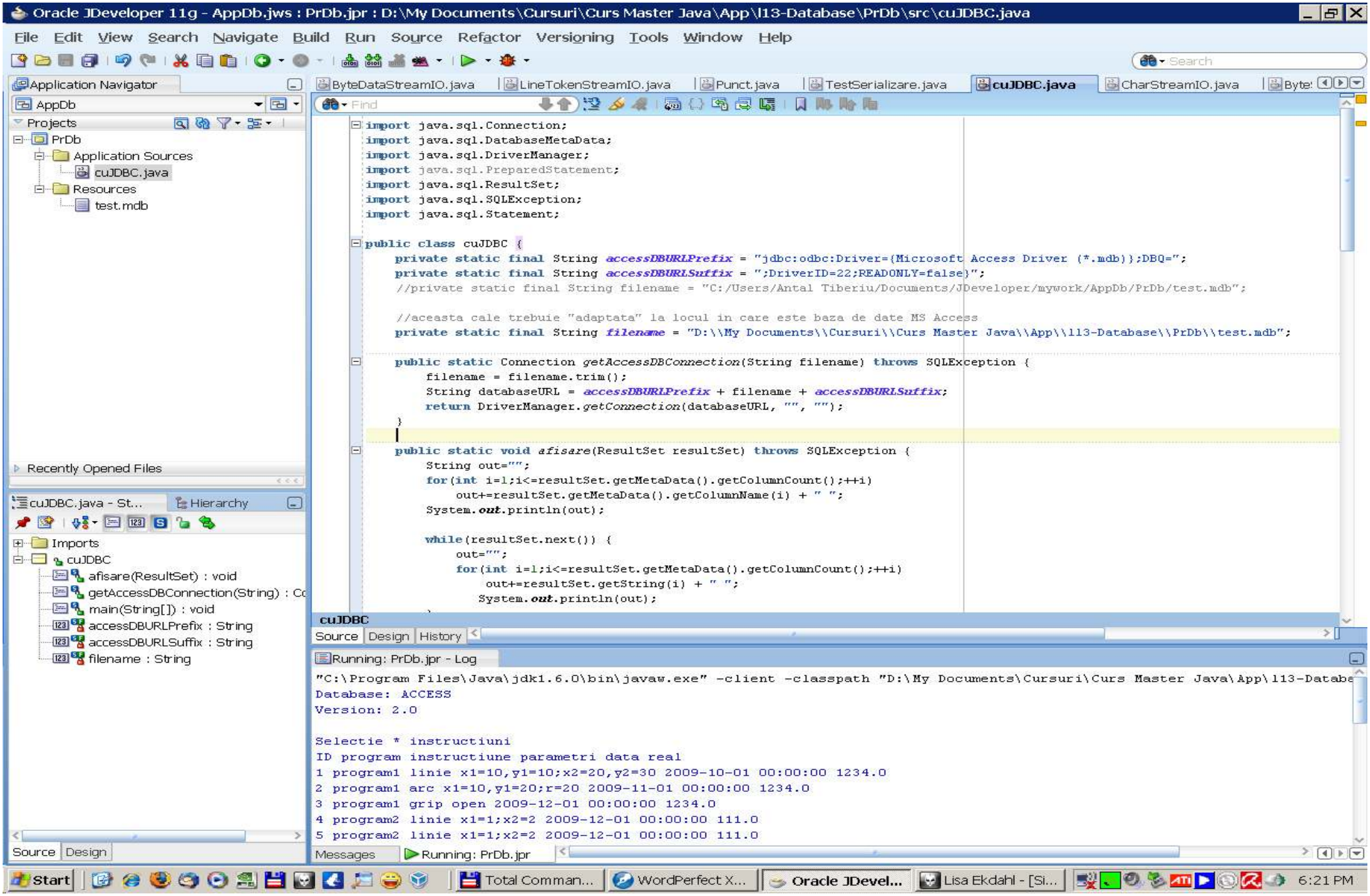
Oracle JDeveloper 11g - AppDb.jws : PrDb.jpr : D:\My Documents\Cursuri\Curs Master Java\App\l13-Database\PrDb\src\cuJDBC.java
File Edit View Search Navigate Build Run Source Refactor Versioning Tools Window Help
Application Navigator
AppDb
Projects
PrDb
Application Sources
cuJDBC.java
Resources
test.mdb
Recently Opened Files
cuJDBC.java - St...
Hierarchy
Imports
cuJDBC
afisare(ResultSet) : void
getAccessDBConnection(String) : Co
main(String[]) : void
accessDBURLPrefix : String
accessDBURLSuffix : String
filename : String
Source Design
ByteDataStreamIO.java
LineTokenStreamIO.java
Punct.java
TestSerializare.java
cuJDBC.java
CharStreamIO.java
Find
import java.sql.Connection;
import java.sql.DatabaseMetaData;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
public class cuJDBC {
private static final String accessDBURLPrefix = "jdbc:odbc:Driver={Microsoft Access Driver (*.mdb)};DBQ=";
private static final String accessDBURLSuffix = ";DriverID=22;READONLY=false}";
//private static final String filename = "C:/Users/Antal Tiberiu/Documents/JDeveloper/mywork/AppDb/PrDb/test.mdb";
//aceasta cale trebuie "adaptata" la locul in care este baza de date MS Access
private static final String filename = "D:\\My Documents\\Cursuri\\Curs Master Java\\App\\l13-Database\\PrDb\\test.mdb";
public static Connection getAccessDBConnection(String filename) throws SQLException {
filename = filename.trim();
String databaseURL = accessDBURLPrefix + filename + accessDBURLSuffix;
return DriverManager.getConnection(databaseURL, "", "");
}
public static void afisare(ResultSet resultSet) throws SQLException {
String out="";
for(int i=1;i<=resultSet.getMetaData().getColumnCount();++i)
out+=resultSet.getMetaData().getColumnName(i) + " ";
System.out.println(out);
while(resultSet.next()) {
out="";
for(int i=1;i<=resultSet.getMetaData().getColumnCount();++i)
out+=resultSet.getString(i) + " ";
System.out.println(out);
cuJDBC
Source Design History
Running: PrDb.jpr - Log
"C:\Program Files\Java\jdk1.6.0\bin\javaw.exe" -client -classpath "D:\My Documents\Cursuri\Curs Master Java\App\l13-Databa
Database: ACCESS
Version: 2.0
Selectie * instructiuni
ID program instructiune parametri data real
1 program1 linie x1=10,y1=10;x2=20,y2=30 2009-10-01 00:00:00 1234.0
2 program1 arc x1=10,y1=20;r=20 2009-11-01 00:00:00 1234.0
3 program1 grip open 2009-12-01 00:00:00 1234.0
4 program2 linie x1=1;x2=2 2009-12-01 00:00:00 111.0
5 program2 linie x1=1;x2=2 2009-12-01 00:00:00 111.0
Messages
Running: PrDb.jpr
Start
Total Comman...
WordPerfect X...
Oracle JDevel...
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AppDb > PrDb> cuJDBC

```
import java.sql.Connection;
import java.sql.DatabaseMetaData;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class cuJDBC {
    private static final String accessDBURLPrefix =
"jdbc:odbc:Driver={Microsoft Access Driver (*.mdb)};DBQ=";
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";DriverID=22;READONLY=false}";
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Tiberiu/Documents/JDeveloper/mywork/AppDb/PrDb/test.mdb";

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Access
    private static final String filename = "D:\\My Documents\\Cursuri\\Curs
Master Java\\App\\l13-Database\\PrDb\\test.mdb";

    public static Connection getAccessDBConnection(String filename) throws
SQLException {
        filename = filename.trim();
        String databaseURL = accessDBURLPrefix + filename +
accessDBURLSuffix;
        return DriverManager.getConnection(databaseURL, "", "");
    }

    public static void afisare(ResultSet resultSet) throws SQLException {
        String out="";
        for(int i=1;i<=resultSet.getMetaData().getColumnCount();++i)
            out+=resultSet.getMetaData().getColumnName(i) + " ";
        System.out.println(out);

        while(resultSet.next()) {
            out="";
            for(int i=1;i<=resultSet.getMetaData().getColumnCount();++i)
                out+=resultSet.getString(i) + " ";
            System.out.println(out);
        }
    }

    public static void main(String[] args) {
        try {
            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

            Connection connection =getAccessDBConnection(filename);

            DatabaseMetaData dbMetaData = connection.getMetaData();
            String productName = dbMetaData.getDatabaseProductName();
            System.out.println("Database: " + productName);
            String productVersion = dbMetaData.getDatabaseProductVersion();
            System.out.println("Version: " + productVersion);

            Statement statement = connection.createStatement();
            System.out.println("\nSelectie * instructiuni");
            String query = "SELECT * FROM Table1";
            ResultSet resultSet = statement.executeQuery(query);
            afisare(resultSet);

            java.sql.Date dataazi =new java.sql.Date(new
java.util.Date().getTime());
            String ins ="INSERT INTO Table1" +
"([program],[instructiune],[parametri],[data],[real])
VALUES('program2','linie','x1=1;x2=2',#"+ dataazi+"#, 1211)";
```
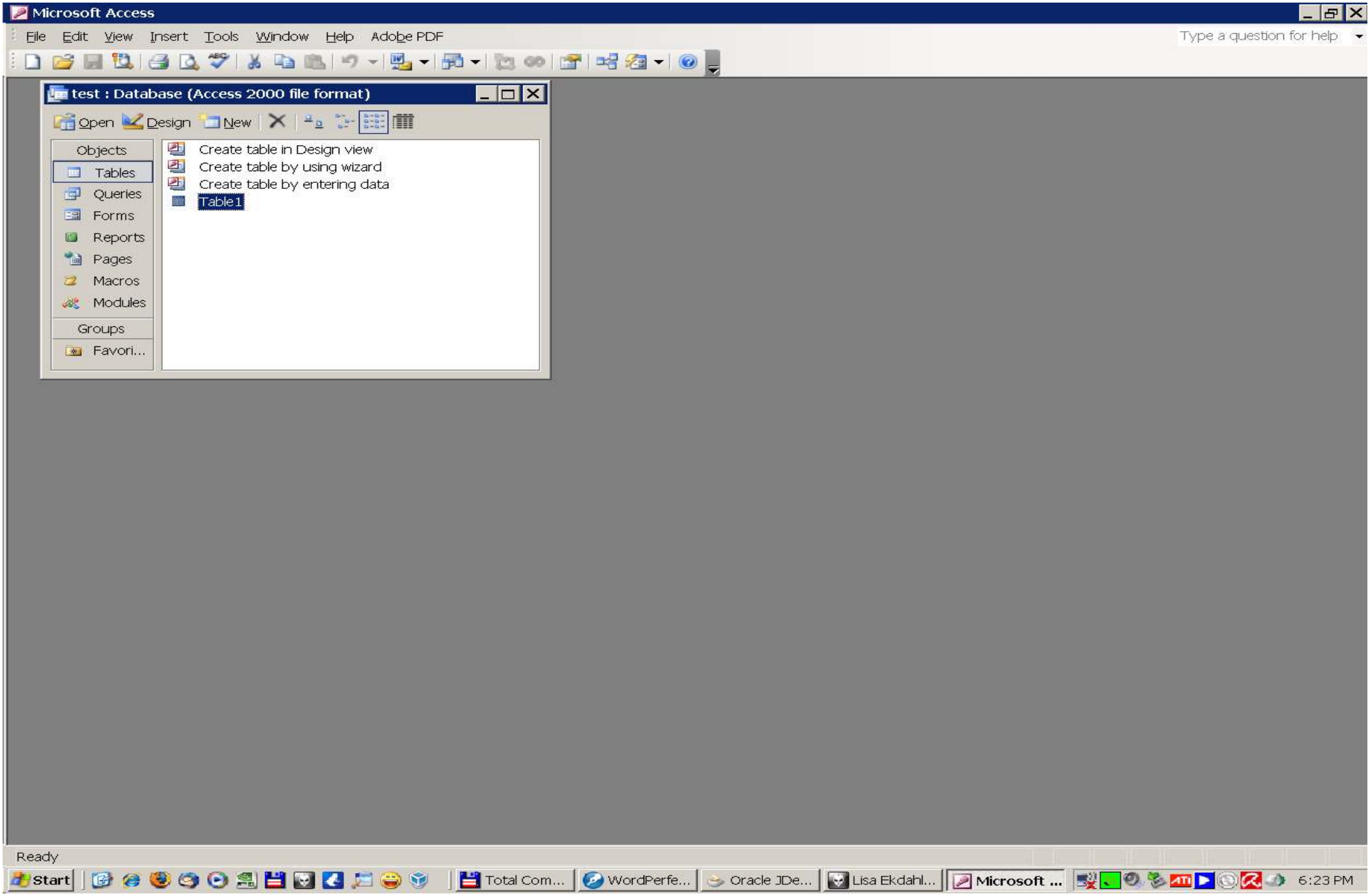

```
            System.out.println(ins);
            statement.executeUpdate(ins);

            System.out.println("\nSelectie numai instructiuni program2");
            query = "SELECT * FROM Table1 WHERE [program]='program2'";
            resultSet = statement.executeQuery(query);
            afisare(resultSet);

            System.out.println("\nSterge linii din Table1");
            query = "DELETE * FROM Table1 WHERE [real]=1211";
            int rowsEffected= statement.executeUpdate(query);
            System.out.println(rowsEffected + " rows effected");

            System.out.println("\nActualizare linii din Table1");
            query = "UPDATE Table1 SET [real] = 1234  WHERE [program] =
'program1'";
            rowsEffected = statement.executeUpdate(query);
            System.out.println(rowsEffected + " rows effected");

            statement.close();
            connection.close();

        } catch(ClassNotFoundException e) {
            System.err.println("Error loading driver: " + e);
        } catch (SQLException e) {
            System.err.println("SQL exception: " + e);
        }
    }
}
```


Microsoft Access
File Edit View Insert Tools Window Help Adobe PDF
Type a question for help
test : Database (Access 2000 file format)
Open Design New
Objects
Tables
Queries
Forms
Reports
Pages
Macros
Modules
Groups
Favori...
Create table in Design view
Create table by using wizard
Create table by entering data
Table1
Ready
Start
Total Com...
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Lisa Ekdahl...
Microsoft ...
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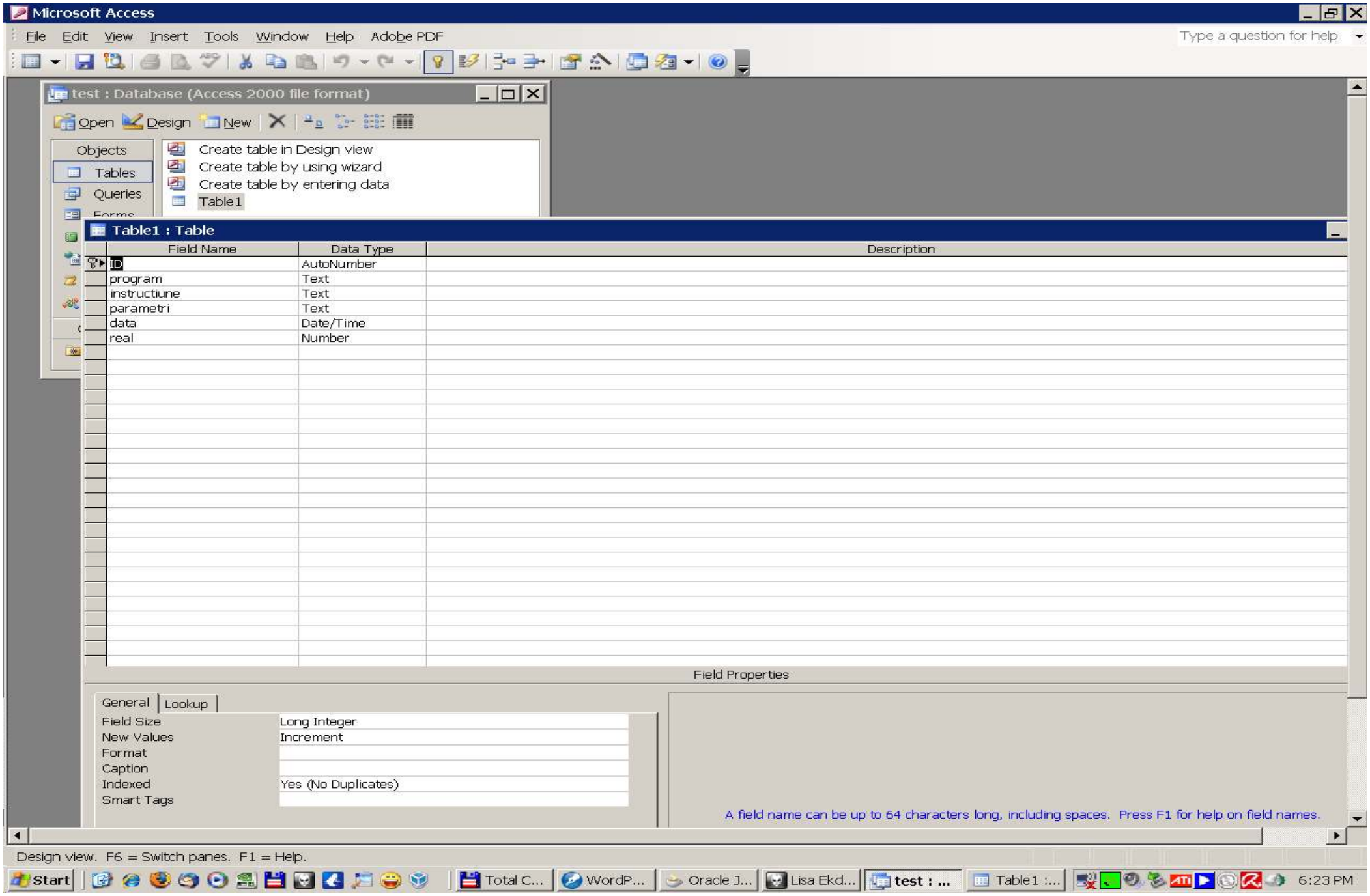
Microsoft Access
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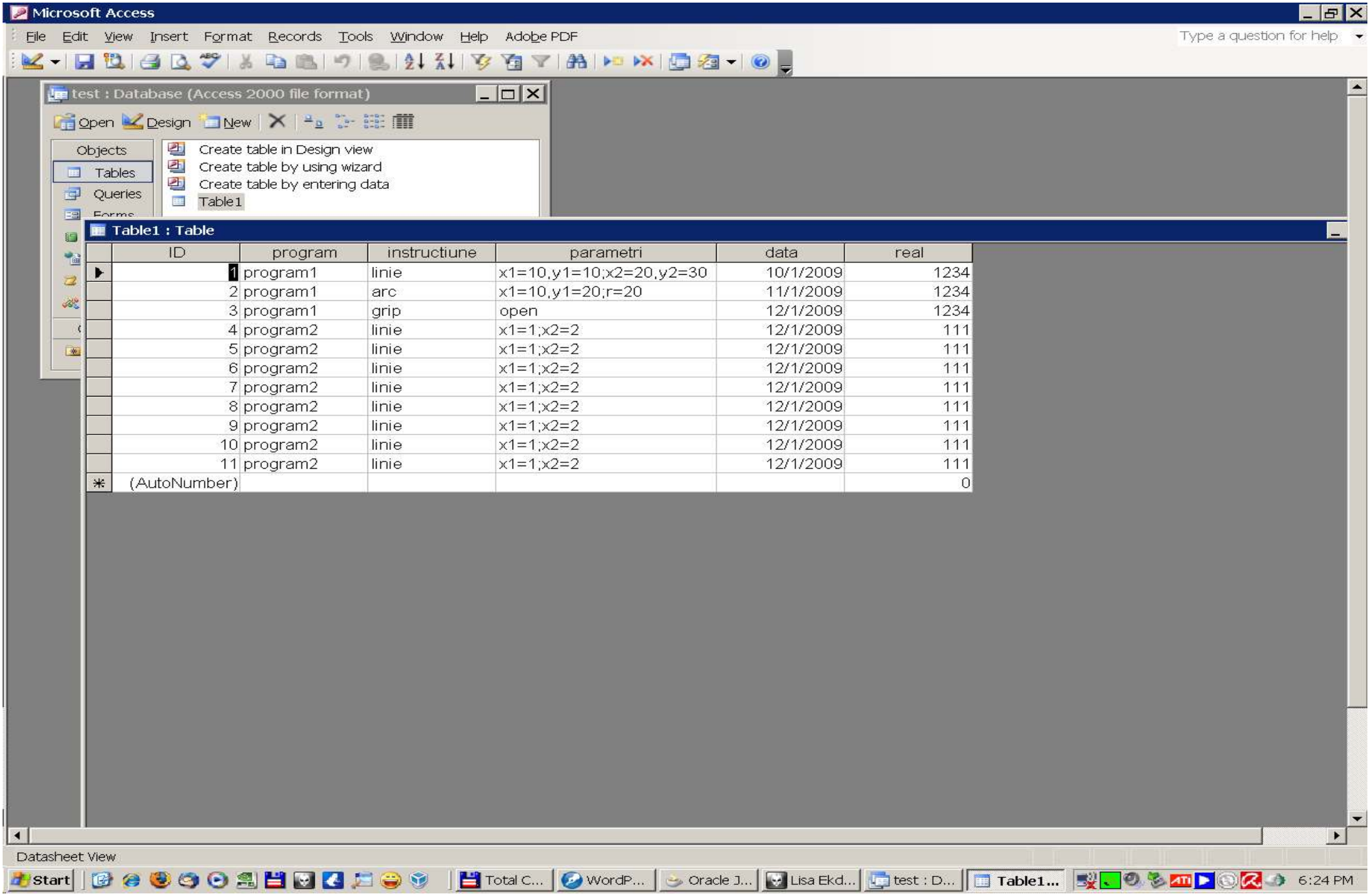
Objects
Tables
Queries
Create table in Design view
Create table by using wizard
Create table by entering data
Table1
Table1 : Table
Field Name
Data Type
Description
ID
AutoNumber
program
Text
instructiune
Text
parametri
Text
data
Date/Time
real
Number
Field Properties
General
Lookup
Field Size
Long Integer
New Values
Increment
Format
Caption
Indexed
Yes (No Duplicates)
Smart Tags
A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.
Design view. F6 = Switch panes. F1 = Help.
Start
Total C...
WordP...
Oracle J...
Lisa Ekd...
test : ...
Table1 :...
6:23 PM



ID	program	instructiune	parametri	data	real
1	program1	linie	x1=10,y1=10;x2=20,y2=30	10/1/2009	1234
2	program1	arc	x1=10,y1=20;r=20	11/1/2009	1234
3	program1	grip	open	12/1/2009	1234
4	program2	linie	x1=1;x2=2	12/1/2009	111
5	program2	linie	x1=1;x2=2	12/1/2009	111
6	program2	linie	x1=1;x2=2	12/1/2009	111
7	program2	linie	x1=1;x2=2	12/1/2009	111
8	program2	linie	x1=1;x2=2	12/1/2009	111
9	program2	linie	x1=1;x2=2	12/1/2009	111
10	program2	linie	x1=1;x2=2	12/1/2009	111
11	program2	linie	x1=1;x2=2	12/1/2009	111
(AutoNumber)					0