**Createtable**

import java.sql.\*;

import java.io.\*;

public class createtable {

public static void main(String args[])

{

try

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

// Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/jddb","App","App");

String qry = "create table StudentDb( Sid varchar(20), Sname varchar(20), Sadd varchar(20), Scourse varchar(20))";

Statement s = con.createStatement( );

s.execute(qry);

System.out.println("Table created");

s.close();

con.close();

}catch(Exception e){}

System.out.println(" Successfully Created");

}

}

**Createretrieve**

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class createretrive {

public static void main(String args[])throws SQLException,IOException

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select \* from StudentDb");

while(rs.next())

{

String Stud\_id=rs.getString(1);

String Stud\_name=rs.getString(2);

String Stud\_add=rs.getString(3);

String Stud\_course=rs.getString(4);

System.out.println(Stud\_id);

System.out.println(Stud\_name);

System.out.println(Stud\_add);

System.out.println(Stud\_course);

}

con.close();

}

}

**Createinsert**

import java.sql.\*;

public class createinster {

public static void main(String args[])

{

try

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

//Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/jddb","App","App");

String qry = "insert into StudentDb values('S101','Jayaprakash','Chennai','MTEch')";

Statement s = con.createStatement();

int i= s.executeUpdate(qry );

System.out.println("No of rows inserted = " + i);

s.close();

con.close();

}

catch(SQLException e){}

}

}

**Resultmetadata**

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

public class Resultsetmeta {

public static void main(String args[])throws SQLException,IOException

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

PreparedStatement ps=con.prepareStatement("select \* from StudentDb");

ResultSet rs=ps.executeQuery();

ResultSetMetaData rsmd=rs.getMetaData();

System.out.println("Total columns: "+rsmd.getColumnCount());

System.out.println("Column Name of 1st column: "+rsmd.getColumnName(1));

System.out.println("Column Type Name of 1st column: "+rsmd.getColumnTypeName(1));

System.out.println("Column Name of 2st column: "+rsmd.getColumnName(2));

System.out.println("Column Type Name of 2st column: "+rsmd.getColumnTypeName(2));

System.out.println("Column Name of 3st column: "+rsmd.getColumnName(3));

System.out.println("Column Type Name of 3st column: "+rsmd.getColumnTypeName(3));

System.out.println("Column Name of 4st column: "+rsmd.getColumnName(4));

System.out.println("Column Type Name of 4st column: "+rsmd.getColumnTypeName(4));

con.close();

}

}

**Createdelete**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

public class Createdelete {

public static void main(String args[])

{

try

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

String qry = "delete from StudentDb where Sid='S103'";

Statement s = con.createStatement();

int i= s.executeUpdate(qry );

System.out.println("No of rows deleted from Database = " + i);

s.close();

con.close();

}

catch(SQLException e){}

}

}

**Createupdate**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

public class createupdate {

public static void main(String args[])

{

try

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

String qry = "update StudentDb set Sname='Kumar' where Sid='S101'";

Statement s = con.createStatement();

int i= s.executeUpdate(qry );

System.out.println("No of rows update = " + i);

s.close();

con.close();

}

catch(SQLException e){}

}

}

**Databasemetadata**

import java.io.IOException;

import java.sql.Connection;

import java.sql.DatabaseMetaData;

import java.sql.DriverManager;

import java.sql.SQLException;

public class databasetmeta {

public static void main(String args[])throws SQLException,IOException

{

//Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:derby://localhost:1527/JdbcDb","APP","APP");

DatabaseMetaData dbmd=con.getMetaData();

System.out.println("Driver Name: "+dbmd.getDriverName());

System.out.println("Driver Version: "+dbmd.getDriverVersion());

System.out.println("UserName: "+dbmd.getUserName());

System.out.println("Database Product Name: "+dbmd.getDatabaseProductName());

System.out.println("Database Product Version: "+dbmd.getDatabaseProductVersion());

con.close();

}

}