* Link driver JDBC
* <https://docs.microsoft.com/pt-br/sql/connect/jdbc/download-microsoft-jdbc-driver-for-sql-server?view=sql-server-ver15>
* CREATE CRUD TABLE IN THE SQL SERVER

create database CrudDB;

use CrudDB;

create table Contacts (

ContactID int identity (1,1) primary key not null,

ContactName varchar(max) not null,

Age int not null,

RegistrationDate date not null,

);

* + select \* from Contacts;
* CONFIGUIRE SQL SERVER
  + Sql server configure maneger
  + SQL Server Network configuration
  + Protocol for MSSQLSERVER
  + TCP/IP Enable
  + TCP/IP Propeties
  + IP Addresses
  + IP Address 127.0.0.1
  + Enabled Yes
  + Enter sqlJDBC Folder
  + Enu/auth/x64 or x86 – depends your system
  + Copy the file mssql-jdbc\_auth-9.4.1.x64.ddl
  + Local disk (C:)
  + Window
  + System32
  + Dd
* CREATE A JAVA PROJECT NAMED “CRUD”
* CONFIGURE BUILD PATH
  + New/build Path/ Configure Build Path
  + Libraries
  + ModulePath
  + Add External Jars..
  + Enter sqlJDBC Folder
  + Enu
  + Mssql-jdbc-9.4.1.jre8.jar
  + Applay
  + F
* CREATE THREE PACKAGES IN PROJACT/CRUD/SRC
  + br.com.crud.dao
  + br.comcrud.factory
  + br.com.crud.model
* IN br.com.crud.factory CREATE A CLASS
  + Class CinnectionFactory
* CREATE CONNECTION METHOD
* package ca.com.crud.factory;
* import java.sql.Connection;
* import java.sql.DriverManager;
* public class ConnectionFctory {
* public static Connection createConnectionSQLServer() throws Exception {
* Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver"); // For JVM to load the class
* // Two connections with DB
* // Connection connection = DriverManager.getConnection(
* // // Connection with user and password
* // "jdbc:sqlserver://DESKTOP-GODBMFL; databaseName=CrudDB; integratedSecurity=true;");
* Connection connection = DriverManager.getConnection(
* // Connection with user and password
* "jdbc:sqlserver://DESKTOP-GODBMFL; databaseName=CrudDB; user=sa; password=W471984wN250299n"
* );
* return connection;
* }
* public static void main(String[] args) throws Exception {
* // Recover connection with DB
* Connection conn = createConnectionSQLServer();
* // Test if connection in null
* if (conn != null) {
* System.out.println("Connection created " + conn);
* conn.close();
* }
* }
* }
* }
* IN ca.com.crud.dao CREATE A CLASS
  + Public Class contactDao
* CREATE CONNECTION METHOD
  + package ca.com.crud.dao;
  + import java.sql.Connection;
  + import java.sql.Date;
  + import java.sql.PreparedStatement;
  + import ca.com.crud.factory.ConnectionFctory;
  + import ca.com.crud.model.Contact;
  + public class ContactDao {
  + public void save (Contact contact) {
  + String sql = "INSERT INTO Contacts(ContactName, Age, RegistrationDate)" + "VALUES(?, ?, ?)";
  + Connection conn = null;
  + PreparedStatement pstm = null;
  + try {
  + conn = ConnectionFctory.createConnectionSQLServer();
  + pstm = conn.prepareStatement(sql);
  + pstm.setString(1, contact.getContactName());
  + pstm.setInt(2, contact.getAge());
  + pstm.setDate(3, new Date(contact.getRegistrationDate().getTime()));
  + pstm.execute();
  + } catch (Exception e) {
  + e.printStackTrace();
  + } finally {
  + try {
  + if (pstm != null) {
  + pstm.close();
  + }
  + if (conn != null) {
  + }
  + } catch (Exception e) {
  + e.printStackTrace();
  + }
  + }
  + }
  + }

}