## CONEMON A BASES DE DATOS

## CONTENIDO :

Escribis el código en SAVA para concetara a una base de datos tostgre SQL. Este Seript debe tener Los siguientes dotos de convion

- · base de datos = postgres,
- · usuario = postques, contrasera : elimora
- · puesto de conexión = 5432

Los campos spetados en la tabla de estudiantes son les signentes

- · Nombre · Apollido · carrero.

Conemon. java (CLASE # 1) - package : models

1. package modelo:

2. import java. 301. +,

3. public class conexion {

4. String uil = "jdbc: postgresq!: 11 Goodhost: 5432/bd\_ estudiantes;



ESTUDIANTE:

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String user = "postgres", pass = "elimora; Connection con; public Connection get Connection () { class. for Name ("org. postgresql. Driver"); con = Driver Manager. set Connection (url, user, pass); catch (Exception e) { return con; 15. Estudiante java (4ASE#2) - package: modelo public class Estudiante ? int id cetudiante, String numbre; String spellido; string carrera; public Estudiente () 2 public & studiante (int identudiante, String nombre, String appliedo, String courses) { this idestudionte this numbre = numbre; this apellido; 11. this correra = carrera; 13. public int get Id () & return idestudiante: 16 public world set Id (jut idestudionte) ? this. idestrudionte = idestridionte; public string got Nom () & return nombre; public void set Nom ( String nambe ) & this nambre = nambre; public string get Ap() {

return apollido; public void set Apollido (String apollido) & this spellido = apollido; public String get Carrera () & roturn correra; public word set Carrera (String carrera) & this carrera = carrera; Estudiante DAO. java - package: modelo CUASE#3 I parkage modalo; java sa). Connection java sol. Prepared Statement i mysor? Javon so Result Set: 1 mport Java. uti). Arraylist ) MEDIT pur util list public class Estudiante AAO E Proposed Statement ps; Result Set 15; Connection, concetor = new Conexion (); Estudiente p = new Estudiante (), Connection ion: public List Listar () ? List < Estudiante > dates = neu firay List => (); con = concetar. get Connection ();
ps = con. prepare Statement ("select & from estudiantes" 15 = ps execute Query (); while irs. next ()> 2 P. set Id (15. get Int (1)): p. set Nom (15 get String (25). p. set Apollido (is get String (s)) p. setlarera (15. get String (45) dates, add (p); 3 cotch (Exception e) 3

return datos; public intagragar (Fetudiante p) & string 391 = "insert into estudiates (idestrutite, nombre, apolido, names ) values (1) con = conector get Connection (); PS - con . propose Statement (591); ps. set String (2, p. get Nomi) ps. set String (3, p. get Ap ());
ps. set String (4 p. get Carrara ());
[= ps. executte update (); 41. 1+(1==1) { 400 return 1: else & 45 return D; 97 s witch (Exceptione) { return r; public int Adualizar (Estudiante por) & string sql = "update estudiates set nantre = ?, apellido = ?, correra = " where identidates, try & 54 con : conector. got (pyrection () PS = con prepare statement (egl); Ps. set String (1, par. get Nom (1); Ps. set String (2, per. get Ap () 57 ps. set String (3, por. set (arrera ()); ps. set Int (4, per, get Id ()). r = ps execute Update (), if (1==1) & return 1 else Eturno; eatch (Exception e) {

return r mable int solute (int idestudiente) ? string egl = "delete from estudiales where idestudiale" i idestudiale; con - consito, get Consition (7; + s = can prepare Stalement (og 1); 1 . Ps. execute apolate (), 3 watch ( Fregotion c) 2 ictum "; 21 Contrador java ( LARSE # 4) + package import modelo. Estudiante; models. Estudiante DMO; IMPORT vista. Vistai java aut cuent. Action Event 1 WEDDAY import Jana aut event. Action Listaner; import ova. util. List; import) avax. suing. Flable Constants of Cell Render; javax. suing. Table Detault Table Hode; avax swing. Toption Pane; import mport mpon class Controlador implements Actionsistener ? mpor + Estudiante poo doo = nou Estudiante DAO (); public Estudiante P = nous Estudiante (); Octavet Table Rode modelo = new Octavet Table Model () Vista vista = neu Vista 16 public Controlador (Vistav) E 17 vista. Et n listar, add Adios listaner (this) 4.2 vista. 6th Agregor add Action listener ( this 19 vista. Ohn Ed gay, adolfiction Osterier (4his) this. vista. of n News, and Action Listener (this),

13 Osperido public poid action (extermod (Action Evente) & if (e.eet Source () == vista btn Listar) 2 ingia Table (); inta table): ruseuro (); if Te. got Source () = vista btn Agragas) & add (); (istar (vista, tabla), nuevo (); if (e. of Source () == vista. btn Editor) & Pour ();
Put fila = vista. tabla. get Selected Rour ();
if (fila ==-1) & 5 Option Paire show Hessage Dialog (vista, " Soleccions una tila int idestudiate = Integer paratot ( String ) vista talla gel blue (fila 3 olse 3 String non = (String) vista talla pstralue At (Tila, ) String apollido = (string ) vista talla get volve At (tila, 2) String carrera = (String) vista tabla get Value PH (f. 10, 3) vista. +xt ld. sot Tout (" "+idostudiente); vista . + x1 Nom set Toxt (nom); vista . + x1 Nomos set Text, (apellido); vista +++ Tol. sotText (carrora); if (c. get Sayce () == vista. Etn Petudijon) ? Actualizar (Vista tabla) eu. 65nuevo (): 56 if (e. get source () = = vista. oth Debte) ? delete (Vista tabla); nueus () (e.get 8 sure () = = vista btn Nuevo) 5 nuero (). 64 soid nuevo () 9 vista txtId set Text ("") vista . trt Nom. set Text ( " ")

vista. Txt lel set Toxt (" vista. Txt (oreo. set Tost ("") Jista Tx+ Nom request Focus (); public gold delete () ? inttila = vista talla get Subcled Rom (); 1+ (+ila==-1) \$ Jopton Pare . shoultessage fishing (vista, "Pobe solucion unatila), int ind = Integer, pase Int ((String) vista tabla, got blue Pt (File, 0); das Polete (id), System. out print by ("Fliesuthodo es "+id); 3 Option Pare. show Hessage Dialog (vista, "Vsuano diminado") CimpianTobla (), public word Actualizar (7 ? if (vista tot Id. got Text () equals (" ")) & JOEtros Pane, shouldersage Didles (vista, "Mose identifico el Jo!") se ? intid = Integer. passe Int (vieta. txt To. get text()),
string numbre, = vista. txt florn. get Text(); string apellido = vista tatlono gettoution String carrera = vista. Tot Tel. get Text () set Id (id); p. set Nom (nambre): P. set Apollido (apollido), P. set Carrera (carrera). int = das . Actualogas (p); 3 option Pane show Hossage Rialog (vista, "Jewano and 3 option Pane show Hossage Rialog (vista, "Error"), it (1==1) 3 ampiartabla (), inthe mid lister (5 Table table) &

list controlienter Ceta a doo. legton (), Object [] objects - new Object [4].

For (107) - of 1 = vista & per? (1+) ?

Object [] objects - new Object [4]. objeto cij = lista st () set April; objeto cij = lista st () set April; od comera (); table set Routleight (35) table sot flow Margin (10). 50 id comparlables (5 Table table) ? Detail Table all Roder ter = now Danit Table (all moder (); For (inti-0); i & vista table, get Commerciant (); i + 4 (5);
Tallo get Column Hodel (), get Column (1), set all Ruber (tex); for (intiggit & vista table gother (out (); ++) ? modelo. romove four (i); i= 1-1;

## ESTRUCTURA GENERAL

[ Conexion - Estudiantes

DIFF SIC

# controlador

I' Controlador java.

I modelo

I Conexion java

37 Estudiante gava

In Estudiante DAO. java

- crista

In Vista java

El Referenced Libraries

T postgre SQL - 42.2.16 (3). gar