**SICI-4030**

**BASE DE DATOS**

**EXAMEN PRÁCTICO 2**

**Plantilla para entregar**

**INSTRUCCIONES:**

**I.** Entregar la matriz en orden alfabético. Recuerde utilizar el formato dado en clase que incluye el nombre de la relación y se indica la opcionalidad y la cardinalidad. (**20 pts**)

**II.** El ERD (en DIA) que esté normalizado y no tenga relaciones M:M. Debe utilizar los símbolos y los estándares indicados en clase y que tienen disponible en la página del curso. (**30 pts**)

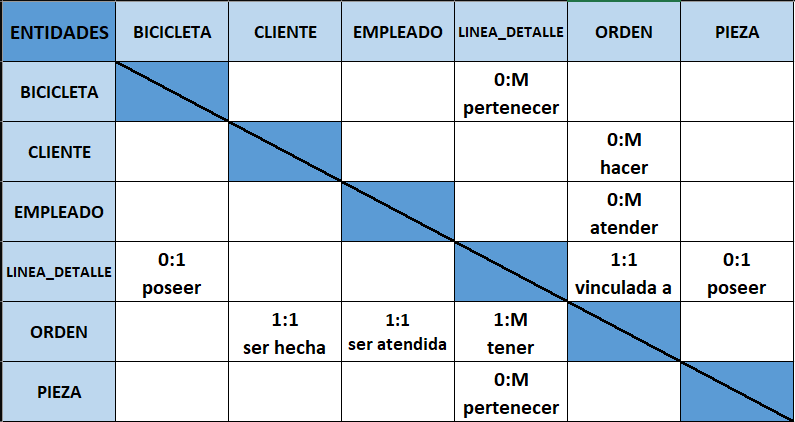
Este trabajo se pasa a un documento en Word (INCLUIRLO) y se guarda en formato PDF (También incluirlo). Hay que dar *print-screen* a la matriz y al ERD que debe ser hecho en DIA. La matriz se puede hacer en EXCEL (*print-screen*) o dentro del mismo documento de Word(tabla). El formato del documento es: **Examen-2-NombreDelEstudiante.pdf.** RECUERDE NO PONER CARACTERES ESPECIALES EN EL NOMBRE DEL DOCUMENTO.

**III**. **Diseño Físico** (incluya al menos 10 instancias por tabla) (**15 pts**)

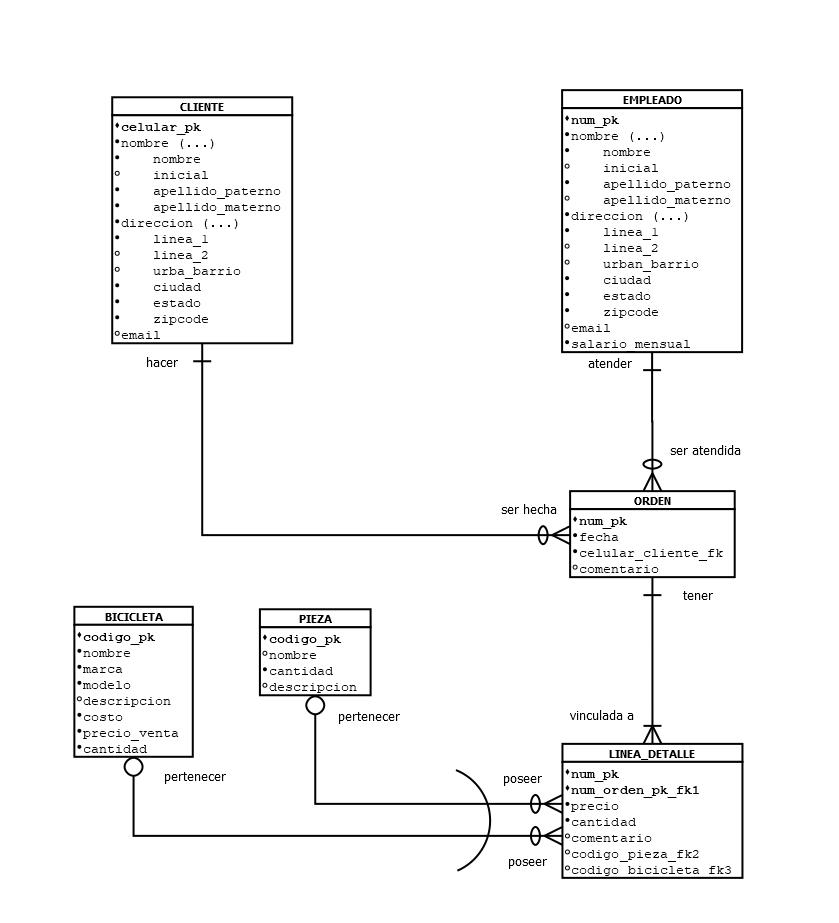
**IV. DDL** – Crear las tablas únicamente en el orden correcto por niveles incluyendo los ***constraints*** (PK, FK, NOT NULL, etc.). Se deben incluir las instrucciones de DROP TABLE y la documentación requerida (**35 pts**)

**Los documentos a entregar son:**

1. Matrix en Excel (**Exam-02-nombre-841-00-0000-Matrix.XLS**)
2. Matrix en PNG (*snipping*) (**Exam-02-nombre-841-00-0000-PNG.PNG**)
3. ERD en **DIA** (**Exam-02-nombre-841-00-0000-ERD.DIA**)
4. ERD en **PNG** (**Proy-02-nombre-841-00-0000-ERD.PNG**)
5. Documento de Word con todo lo requerido (**Exam-02-nombre-841-00-0000-NombreEst.DOCX**)
6. El mismo documento de Word en formato PDF (**Proy-02-nombre-841-00-0000-NombreEst.PDF**)**I. Matrix** (**20 pts**) En orden **alfabético**.



**II. ERD** (**30 pts**) **Si lo tiene que poner de lado, ponga la página en *Landscape***



**III. Diseño Físico** (**15 pts**) **Los datos no pueden ser compartidos**. Las tablas van en plural. Usen el mismo diseño y pongan el título de la tabla centralizado antes del diseño físico. Son 10 instancias por tabla. Recuerde conectar el FK con el PK.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): BICICLETAS** | | | | | | **INDICAR NIVEL (1,2,3): 1** | | |
| **Nombre Columna** | **Codigo** | **Nombre** | **Marca** | **Modelo** | **Descripcion** | **Costo** | **Precio de Venta** | **Cantidad** |
| **Tipo de Key** | **PK** |  |  |  |  |  |  |  |
| **Nulo/Único** | **NN, U** | **NN** | **NN** | **NN** |  | **NN** | **NN** | **NN** |
| **Datos de muestra.** | 1001 | Mountain Bike | Trek | X-Caliber | High-performance mountain bike | 500.00 | 899.99 | 10 |
| 1002 | Road Bike | Specialized | Roubaix | Lightweight road bike for speed | 700.00 | 1299.99 | 15 |
| 1003 | Hybrid Bike | Giant | Escape | Versatile hybrid bike for city and trail | 450.00 | 799.99 | 12 |
| 1004 | BMX Bike | Haro | Freestyler | Sturdy BMX bike for tricks and jumps | 300.00 | 499.99 | 8 |
| 1005 | Cruiser Bike | Schwinn | Classic Cruiser | Comfortable cruiser bike for leisure rides | 250.00 | 449.99 | 20 |
| 1006 | Electric Bike | Rad Power Bikes | RadRunner | E-bike with electric assistance | 800.00 | 1499.99 | 5 |
| 1007 | Folding Bike | Dahon | Mariner D8 | Compact folding bike for easy storage | 600.00 | 999.99 | 7 |
| 1008 | Gravel Bike | Cannondale | Topstone | Versatile gravel bike for all-terrain | 900.00 | 1599.99 | 9 |
| 1009 | Kids Bike | Strider | 12 Sport | Balance bike for young riders | 100.00 | 199.99 | 25 |
| 1010 | Triathlon Bike | Cervelo | P-Series | Aero bike for triathlons and time trials | 1200.00 | 1999.99 | 6 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): CLIENTES** | | | | | | | **INDICAR NIVEL (1,2,3): 1** | | | | | | |
| **Nombre Columna** | **Celular** | **Nombre (…)** | | | | **Dirección (…)** | | | | | | | **Email** |
| **Nombre** | **Inicial** | **Apellido Paterno** | **Apellido Materno** | **Linea-1** | | **Linea-2** | **Urban -Barrio** | **Ciudad** | **Estado** | **Zip Code** |
| **Tipo de Key** | **PK** |  |  |  |  |  | |  |  |  |  |  |  |
| **Nulo/Único** | **NN, U** | **NN** | **NN** | **NN** |  | **NN** | |  |  | **NN** | **NN** | **NN** |  |
| **Datos de muestra.** | 3038825606 | Bernelle | B | Hawyes | Lomaz | 2503 Vahlen Junction | | 16th Floor | La Esperanza | Denver | Colorado | 80270 | blomaz1@sitemeter.com |
| 3046495477 | Linn | F | Godly | Lelievre | 36387 Dottie Lane | | Room 847 | Santa Rosa | Huntington | West Virginia | 25709 | llelievre5@cbslocal.com |
| 6122116068 | Lyman | A | Devereu | Gahan | 68 Homewood Trail | | PO Box 45069 | Los Pinos | Minneapolis | Minnesota | 55417 | lgahan0@ning.com |
| 6825052144 | Channa | C | Morena | Ambrogioni | 24828 Springview Street | | PO Box 19151 | Villa del Sol | Fort Worth | Texas | 76178 | cambrogioni2@angelfire.com |
| 7049780749 | Logan | I | Brill | Pimme | 49949 Holy Cross Place | | 1st Floor | Los Alamos | Charlotte | North Carolina | 28289 | lpimme8@biglobe.ne.jp |
| 7193642604 | Boyd | J | Schuricht | Bussel | 1 Northridge Drive | | 6th Floor | San Francisco | Colorado Springs | Colorado | 80995 | bbussel9@lulu.com |
| 9091694321 | Nelia | H | Meric | Giamuzzo | 5014 Pond Center | | 7th Floor | La Floresta | San Bernardino | California | 92410 | ngiamuzzo7@ibm.com |
| 9131634684 | Mart | E | Rake | Borleace | 697 Judy Court | | 13th Floor | San Isidro | Shawnee Mission | Kansas | 66220 | mborleace4@guardian.co.uk |
| 9371261485 | Violante | D | Border | Churchman | 568 Blaine Hill | | Room 1890 | El Bosque | Dayton | Ohio | 45403 | vchurchman3@deliciousdays.com |
| 9981522394 | Wyatt | G | Matijasevic | Crate | 5948 Carpenter Lane | | Apt 1953 | El Paraíso | Boise | Idaho | 83716 | wcrate6@ted.com |

**Utilizar una plantilla por cada tabla con 10 instancias:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): EMPLEADOS** | | | | | | | **INDICAR NIVEL (1,2,3): 1** | | | | | | | |
| **Nombre Columna** | **Celular** | **Nombre (…)** | | | | **Dirección (…)** | | | | | | | **Email** | **Salario Mensual** |
| **Nombre** | **Inicial** | **Apellido Paterno** | **Apellido Materno** | **Linea-1** | | **Linea-2** | **Urban -Barrio** | **Ciudad** | **Estado** | **Zip Code** |
| **Tipo de Key** | **PK** |  |  |  |  |  | |  |  |  |  |  |  |  |
| **Nulo/Único** | **NN, U** | **NN** | **NN** | **NN** |  | **NN** | |  |  | **NN** | **NN** | **NN** |  |  |
| **Datos de muestra.** | 18447 | John | J | Doe | Swart | 123 Main St | | Apt 4B | Downtown | Cityville | StateA | 12345 | john.doe@email.com | 1000 |
| 29183 | Alice | A | Smith | Lord | 456 Oak St | |  | Suburbia | Townsville | StateB | 54321 | alice.smith@email.com | 1500 |
| 33838 | Bob | B | Johnson | Baki | 789 Pine St | | Unit 7 | Uptown | Villageton | StateC | 67890 | bob.johnson@email.com | 1500 |
| 49494 | Catherine | C | Miller | Gabe | 101 Elm St | |  | Outskirts | Ruraltown | StateD | 13579 | catherine.miller@email.com | 1700 |
| 50193 | David | D | Brown | Villegas | 202 Birch St | | Apt 12 | Hillside | Mountainville | StateE | 98765 | david.brown@email.com | 2800 |
| 67462 | Emily | E | Wilson | Cruz | 202 Birch St | | 303 Cedar St |  | Village Center | Smalltown | 24680 | emily.wilson@email.com | 1000 |
| 747472 | Frank | F | Taylor | Castro | 404 Maple St | | Unit 5 | Downtown | Cityburg | StateG | 11223 | frank.taylor@email.com | 1500 |
| 847373 | Grace | G | Davis | Ortiz | 505 Walnut St | |  | Countryside | Ruralburg | StateH | 33445 | grace.davis@email.com | 1500 |
| 959272 | Henry | H | Anderson | Perez | 606 Oak St | | Suite 3 | Suburbia | Townsville | StateI | 55667 | henry.anderson@email.com | 1700 |
| 999958 | Isabel | I | White | Lorenz | 707 Pine St | |  | Uptown | Villageton | StateJ | 77889 | isabel.white@email.com | 2800 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): PIEZAS** | | | | **INDICAR NIVEL (1,2,3): 1** |
| **Nombre Columna** | **Codigo** | **Nombre** | **Cantidad** | **Descripcion** |
| **Tipo de Key** | **PK** |  |  |  |
| **Nulo/Único** | **NN, U** | **NN** | **NN** |  |
| **Datos de muestra.** | 10001 | Bolt | 50 | Steel bolt for construction |
| 10002 | Nut | 100 | Metal nut for fastening |
| 10003 | Spring | 75 | Coil spring for mechanical applications |
| 10004 | Screw | 120 | Metal screw for various uses |
| 10005 | Washer | 90 | Flat washer for securing bolts |
| 10006 | Circuit | 30 | Electrical circuit component |
| 10007 | Gear | 60 | Mechanical gear for machinery |
| 10008 | Connector | 40 | Electrical connector |
| 10009 | Pipe | 25 | Metal pipe for plumbing |
| 10010 | Switch | 50 | Electrical switch for devices |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): ORDENES** | | | | **INDICAR NIVEL (1,2,3): 2** |
| **Nombre Columna** | **Numero** | **Fecha** | **Celular de Cliente** | **Comentario** |
| **Tipo de Key** | **PK** |  | **FK** |  |
| **Nulo/Único** | **NN, U** | **NN** | **NN** |  |
| **Datos de muestra.** | 1000 | 2023-11-17 | 3038825606 | Order for Bernelle Hawyes |
| 1001 | 2023-11-17 | 3046495477 | Order for Linn Godly |
| 1002 | 2023-11-17 | 6122116068 | Order for Lyman Devereu |
| 1003 | 2023-11-17 | 6825052144 | Order for Channa Morena |
| 1004 | 2023-11-17 | 7049780749 | Order for Logan Brill |
| 1005 | 2023-11-17 | 7193642604 | Order for Boyd Schuricht |
| 1006 | 2023-11-17 | 9091694321 | Order for Nelia Meric |
| 1007 | 2023-11-17 | 9131634684 | Order for Mart Rake |
| 1008 | 2023-11-17 | 9371261485 | Order for Violante Border |
| 1009 | 2023-11-17 | 9981522394 | Order for Wyatt Matijasevic |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NOMBRE TABLA (EN PLURAL): LINEA\_DETALLES** | | | | **INDICAR NIVEL (1,2,3): 3** | | | |
| **Nombre Columna** | **Numero de Orden** | **Numero** | **Precio** | **Cantidad** | **Comentario** | **Codigo de Bicicleta** | **Codigo de Pieza** |
| **Tipo de Key** | **PK, FK1** | **PK** |  |  |  | **FK2** | **FK3** |
| **Nulo/Único** | **NN, U** | **NN** | **NN** | **NN** | **NN** |  |  |
| **Datos de muestra.** | 1000 | 1 | 899.99 | 2 | High-performance mountain bike | 10001 | NULL |
| 1001 | 2 | 1299.99 | 1 | Lightweight road bike for speed | 10002 | NULL |
| 1002 | 3 | 799.99 | 3 | Versatile hybrid bike for city and trail | NULL | 1002 |
| 1003 | 4 | 499.99 | 2 | Sturdy BMX bike for tricks and jumps | 10004 | NULL |
| 1004 | 5 | 449.99 | 4 | Comfortable cruiser bike for leisure rides | NULL | 1005 |
| 1005 | 6 | 1499.99 | 1 | E-bike with electric assistance | 10006 | NULL |
| 1006 | 7 | 999.99 | 2 | Compact folding bike for easy storage | 10007 | NULL |
| 1007 | 8 | 1599.99 | 2 | Versatile gravel bike for all-terrain | 10008 | NULL |
| 1008 | 9 | 199.99 | 5 | Balance bike for young riders | 10009 | NULL |
| 1009 | 10 | 1999.99 | 3 | Aero bike for triathlons and time trials | NULL | 1003 |

**IV. DDL** – Creación Tablas (**35 pts total**) incluir código y ***printscreen*** de la corrida. Recuerde incluir los **DROP TABLES**, el comando que muestra la fecha y hora y comando que muestra el *username* antes de cualquier instrucción del script. Se tiene que llenar la documentación que se solicita:

**Codigo solamente** (se tiene que modificar y reemplazar **el código aquí**. No se puede dejar la plantilla original). **Recuerde alinear e indentar apropiadamente**.

**-- ----------------------------------------------------------------**

**-- - Author : Brian J. Cruz Castro -**

**-- - Num.Est : 841-21-5975 -**

**-- - Curso : SICI-4030 -**

**-- - Sección : LH1 -**

**-- - Source : Proyecto-1X-2023.sql -**

**-- - Comentario : Este script es para el examen #2 -**

**-- ----------------------------------------------------------------**

**-- ----------------------------------------------------------------**

**-- - EL SET ECHO ON permite ver la corrida en pantalla. -**

**-- ----------------------------------------------------------------**

**SET ECHO ON**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Aquí se borran las tablas en caso de tener que volver a -**

**-- - crearlas, esta sub dividido por niveles. -**

**-- ----------------------------------------------------------------**

**DROP TABLE linea\_detalle;**

**DROP TABLE orden;**

**DROP TABLE pieza;**

**DROP TABLE empleado;**

**DROP TABLE cliente;**

**DROP TABLE bicicleta;**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla bicicleta nivel-1 (Indicar el nivel SIEMPRE) -**

**-- ----------------------------------------------------------------**

**CREATE TABLE bicicleta (**

**codigo\_pk NUMBER(5),**

**nombre VARCHAR2(15) NOT NULL,**

**marca VARCHAR2(15) NOT NULL,**

**modelo VARCHAR2(15) NOT NULL,**

**descripcion VARCHAR2(50),**

**costo NUMBER(6,2) NOT NULL,**

**precio\_venta NUMBER(6,2) NOT NULL,**

**cantidad NUMBER(4) NOT NULL,**

**CONSTRAINT bicicleta\_codigo\_pk**

**PRIMARY KEY(codigo\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla cliente nivel-1(Indicar el nivel SIEMPRE)-**

**-- ----------------------------------------------------------------**

**CREATE TABLE cliente (**

**celular\_pk VARCHAR2(13) NOT NULL,**

**nombre VARCHAR2(15),**

**inicial CHAR(1),**

**apellido\_paterno VARCHAR2(13) NOT NULL,**

**apellido\_materno VARCHAR2(13),**

**linea\_1 VARCHAR2(50) NOT NULL,**

**linea\_2 VARCHAR2(50),**

**urban\_barrio VARCHAR2(15),**

**ciudad VARCHAR2(35) NOT NULL,**

**estado VARCHAR2(35) NOT NULL,**

**zipcode NUMBER(5) NOT NULL,**

**email VARCHAR2(35),**

**CONSTRAINT cliente\_celular\_pk**

**PRIMARY KEY(celular\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla empleado nivel-1(Indicar el nivel SIEMPRE)-**

**-- ----------------------------------------------------------------**

**CREATE TABLE empleado (**

**num\_pk NUMBER(13),**

**nombre VARCHAR2(15) NOT NULL,**

**inicial CHAR(1),**

**apellido\_paterno VARCHAR2(13) NOT NULL,**

**apellido\_materno VARCHAR2(13),**

**linea\_1 VARCHAR2(50) NOT NULL,**

**linea\_2 VARCHAR2(50),**

**urban\_barrio VARCHAR2(15),**

**ciudad VARCHAR2(35) NOT NULL,**

**estado VARCHAR2(35) NOT NULL,**

**zipcode NUMBER(5) NOT NULL,**

**email VARCHAR2(35),**

**salario\_mensual NUMBER(6,2) NOT NULL,**

**CONSTRAINT empleado\_num\_pk**

**PRIMARY KEY(num\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla pieza nivel-1(Indicar el nivel SIEMPRE)-**

**-- ----------------------------------------------------------------**

**CREATE TABLE pieza (**

**codigo\_pk NUMBER(5),**

**nombre VARCHAR2(15) NOT NULL,**

**cantidad NUMBER(3) NOT NULL,**

**descripcion VARCHAR2(50),**

**CONSTRAINT pieza\_codigo\_pk**

**PRIMARY KEY(codigo\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla orden nivel-2(Indicar el nivel SIEMPRE)-**

**-- ----------------------------------------------------------------**

**CREATE TABLE orden (**

**num\_pk NUMBER(13),**

**fecha DATE NOT NULL,**

**celular\_cliente\_fk VARCHAR2(13) NOT NULL,**

**comentario VARCHAR2(50),**

**CONSTRAINT orden\_pk**

**PRIMARY KEY(num\_pk),**

**CONSTRAINT orden\_celular\_cliente\_fk**

**FOREIGN KEY (celular\_cliente\_fk)**

**REFERENCES cliente(celular\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Creacion tabla linea\_detalle nivel-3(Indicar el nivel SIEMPRE)-**

**-- ----------------------------------------------------------------**

**CREATE TABLE linea\_detalle (**

**num\_orden\_pk\_fk1 NUMBER(13),**

**numero\_pk NUMBER(13),**

**precio NUMBER(6,2) NOT NULL,**

**cantidad NUMBER(5) NOT NULL,**

**comentario VARCHAR2(50),**

**codigo\_pieza\_fk2 NUMBER(5),**

**codigo\_bicicleta\_fk3 NUMBER(5),**

**CONSTRAINT linea\_detalle\_pk**

**PRIMARY KEY(num\_orden\_pk\_fk1, numero\_pk),**

**CONSTRAINT linea\_detalle\_fk1**

**FOREIGN KEY (num\_orden\_pk\_fk1)**

**REFERENCES orden(num\_pk),**

**CONSTRAINT linea\_detalle\_fk2**

**FOREIGN KEY (codigo\_pieza\_fk2)**

**REFERENCES pieza(codigo\_pk),**

**CONSTRAINT linea\_detalle\_fk3**

**FOREIGN KEY (codigo\_bicicleta\_fk3)**

**REFERENCES bicicleta(codigo\_pk)**

**);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: bicicleta -**

**-- ----------------------------------------------------------------**

**INSERT INTO bicicleta**

**VALUES (1001, 'Mountain Bike', 'Trek', 'X-Caliber', 'High-performance mountain bike', 500.00, 899.99, 10);**

**INSERT INTO bicicleta**

**VALUES (1002, 'Road Bike', 'Specialized', 'Roubaix', 'Lightweight road bike for speed', 700.00, 1299.99, 15);**

**INSERT INTO bicicleta**

**VALUES (1003, 'Hybrid Bike', 'Giant', 'Escape', 'Versatile hybrid bike for city and trail', 450.00, 799.99, 12);**

**INSERT INTO bicicleta**

**VALUES (1004, 'BMX Bike', 'Haro', 'Freestyler', 'Sturdy BMX bike for tricks and jumps', 300.00, 499.99, 8);**

**INSERT INTO bicicleta**

**VALUES (1005, 'Cruiser Bike', 'Schwinn', 'Classic Cruiser', 'Comfortable cruiser bike for leisure rides', 250.00, 449.99, 20);**

**INSERT INTO bicicleta**

**VALUES (1006, 'Electric Bike', 'Rad Power Bikes', 'RadRunner', 'E-bike with electric assistance', 800.00, 1499.99, 5);**

**INSERT INTO bicicleta**

**VALUES (1007, 'Folding Bike', 'Dahon', 'Mariner D8', 'Compact folding bike for easy storage', 600.00, 999.99, 7);**

**INSERT INTO bicicleta**

**VALUES (1008, 'Gravel Bike', 'Cannondale', 'Topstone', 'Versatile gravel bike for all-terrain', 900.00, 1599.99, 9);**

**INSERT INTO bicicleta**

**VALUES (1009, 'Kids Bike', 'Strider', '12 Sport', 'Balance bike for young riders', 100.00, 199.99, 25);**

**INSERT INTO bicicleta**

**VALUES (1010, 'Triathlon Bike', 'Cervelo', 'P-Series', 'Aero bike for triathlons and time trials', 1200.00, 1999.99, 6);**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: cliente -**

**-- ----------------------------------------------------------------**

**INSERT INTO cliente**

**VALUES ('3038825606', 'Bernelle', 'B', 'Hawyes', 'Lomaz', '2503 Vahlen Junction', '16th Floor', 'La Esperanza', 'Denver', 'Colorado', 80270, 'blomaz1@sitemeter.com');**

**INSERT INTO cliente**

**VALUES ('3046495477', 'Linn', 'F', 'Godly', 'Lelievre', '36387 Dottie Lane', 'Room 847', 'Santa Rosa', 'Huntington', 'West Virginia', 25709, 'llelievre5@cbslocal.com');**

**INSERT INTO cliente**

**VALUES ('6122116068', 'Lyman', 'A', 'Devereu', 'Gahan', '68 Homewood Trail', 'PO Box 45069', 'Los Pinos', 'Minneapolis', 'Minnesota', 55417, 'lgahan0@ning.com');**

**INSERT INTO cliente**

**VALUES ('6825052144', 'Channa', 'C', 'Morena', 'Ambrogioni', '24828 Springview Street', 'PO Box 19151', 'Villa del Sol', 'Fort Worth', 'Texas', 76178, 'cambrogioni2@angelfire.com');**

**INSERT INTO cliente**

**VALUES ('7049780749', 'Logan', 'I', 'Brill', 'Pimme', '49949 Holy Cross Place', '1st Floor', 'Los Alamos', 'Charlotte', 'North Carolina', 28289, 'lpimme8@biglobe.ne.jp');**

**INSERT INTO cliente**

**VALUES ('7193642604', 'Boyd', 'J', 'Schuricht', 'Bussel', '1 Northridge Drive', '6th Floor', 'San Francisco', 'Colorado Springs', 'Colorado', 80995, 'bbussel9@lulu.com');**

**INSERT INTO cliente**

**VALUES ('9091694321', 'Nelia', 'H', 'Meric', 'Giamuzzo', '5014 Pond Center', '7th Floor', 'La Floresta', 'San Bernardino', 'California', 92410, 'ngiamuzzo7@ibm.com');**

**INSERT INTO cliente**

**VALUES ('9131634684', 'Mart', 'E', 'Rake', 'Borleace', '697 Judy Court', '13th Floor', 'San Isidro', 'Shawnee Mission', 'Kansas', 66220, 'mborleace4@guardian.co.uk');**

**INSERT INTO cliente**

**VALUES ('9371261485', 'Violante', 'D', 'Border', 'Churchman', '568 Blaine Hill', 'Room 1890', 'El Bosque', 'Dayton', 'Ohio', 45403, 'vchurchman3@deliciousdays.com');**

**INSERT INTO cliente**

**VALUES ('2081522394', 'Wyatt', 'G', 'Matijasevic', 'Crate', '5948 Carpenter Lane', 'Apt 1953', 'El Paraíso', 'Boise', 'Idaho', 83716, 'wcrate6@ted.com');**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: empleado -**

**-- ----------------------------------------------------------------**

**INSERT INTO empleado**

**VALUES (18447, 'John', 'J', 'Doe', 'Swart', '123 Main St', 'Apt 4B', 'Downtown', 'Cityville', 'StateA', 12345, 'john.doe@email.com', 1000);**

**INSERT INTO empleado**

**VALUES (29183, 'Alice', 'A', 'Smith', 'Lord', '456 Oak St', NULL, 'Suburbia', 'Townsville', 'StateB', 54321, 'alice.smith@email.com', 1500);**

**INSERT INTO empleado**

**VALUES (33838, 'Bob', 'B', 'Johnson', 'Baki', '789 Pine St', 'Unit 7', 'Uptown', 'Villageton', 'StateC', 67890, 'bob.johnson@email.com', 1500);**

**INSERT INTO empleado**

**VALUES (49494, 'Catherine', 'C', 'Miller', 'Gabe','101 Elm St', NULL, 'Outskirts', 'Ruraltown', 'StateD', 13579, 'catherine.miller@email.com', 1700);**

**INSERT INTO empleado**

**VALUES (50193, 'David', 'D', 'Brown', 'Villegas','202 Birch St', 'Apt 12', 'Hillside', 'Mountainville', 'StateE', 98765, 'david.brown@email.com', 2800);**

**INSERT INTO empleado**

**VALUES (67462, 'Emily', 'E', 'Wilson', 'Cruz', '303 Cedar St', NULL, 'Village Center', 'Smalltown', 'StateF', 24680, 'emily.wilson@email.com', 1000);**

**INSERT INTO empleado**

**VALUES (747472, 'Frank', 'F', 'Taylor', 'Castro', '404 Maple St', 'Unit 5', 'Downtown', 'Cityburg', 'StateG', 11223, 'frank.taylor@email.com', 1500);**

**INSERT INTO empleado**

**VALUES (847373, 'Grace', 'G', 'Davis', 'Ortiz', '505 Walnut St', NULL, 'Countryside', 'Ruralburg', 'StateH', 33445, 'grace.davis@email.com', 1500);**

**INSERT INTO empleado**

**VALUES (959272, 'Henry', 'H', 'Anderson', 'Perez', '606 Oak St', 'Suite 3', 'Suburbia', 'Townsville', 'StateI', 55667, 'henry.anderson@email.com', 1700);**

**INSERT INTO empleado**

**VALUES (999958, 'Isabel', 'I', 'White', 'Lorenz', '707 Pine St', NULL, 'Uptown', 'Villageton', 'StateJ', 77889, 'isabel.white@email.com', 2800);**

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**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

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**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: pieza -**

**-- ----------------------------------------------------------------**

**INSERT INTO pieza**

**VALUES (10001, 'Bolt', 50, 'Steel bolt for construction');**

**INSERT INTO pieza**

**VALUES (10002, 'Nut', 100, 'Metal nut for fastening');**

**INSERT INTO pieza**

**VALUES (10003, 'Spring', 75, 'Coil spring for mechanical applications');**

**INSERT INTO pieza**

**VALUES (10004, 'Screw', 120, 'Metal screw for various uses');**

**INSERT INTO pieza**

**VALUES (10005, 'Washer', 90, 'Flat washer for securing bolts');**

**INSERT INTO pieza**

**VALUES (10006, 'Circuit', 30, 'Electrical circuit component');**

**INSERT INTO pieza**

**VALUES (10007, 'Gear', 60, 'Mechanical gear for machinery');**

**INSERT INTO pieza**

**VALUES (10008, 'Connector', 40, 'Electrical connector');**

**INSERT INTO pieza**

**VALUES (10009, 'Pipe', 25, 'Metal pipe for plumbing');**

**INSERT INTO pieza**

**VALUES (10010, 'Switch', 50, 'Electrical switch for devices');**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: orden -**

**-- ----------------------------------------------------------------**

**INSERT INTO orden**

**VALUES (1000, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '3038825606', 'Order for Bernelle Hawyes');**

**INSERT INTO orden**

**VALUES (1001, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '3046495477', 'Order for Linn Godly');**

**INSERT INTO orden**

**VALUES (1002, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '6122116068', 'Order for Lyman Devereu');**

**INSERT INTO orden**

**VALUES (1003, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '6825052144', 'Order for Channa Morena');**

**INSERT INTO orden**

**VALUES (1004, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '7049780749', 'Order for Logan Brill');**

**INSERT INTO orden**

**VALUES (1005, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '7193642604', 'Order for Boyd Schuricht');**

**INSERT INTO orden**

**VALUES (1006, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9091694321', 'Order for Nelia Meric');**

**INSERT INTO orden**

**VALUES (1007, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9131634684', 'Order for Mart Rake');**

**INSERT INTO orden**

**VALUES (1008, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9371261485', 'Order for Violante Border');**

**INSERT INTO orden**

**VALUES (1009, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '2081522394', 'Order for Wyatt Matijasevic');**

**-- ----------------------------------------------------------------**

**-- - Nombre de Usuario y Fecha del Sistema. Se tienen que indicar –**

**-- ----------------------------------------------------------------**

**SHOW USER**

**SELECT systimestamp FROM dual;**

**-- ----------------------------------------------------------------**

**-- - Insertar datos tabla: linea\_detalle -**

**-- ----------------------------------------------------------------**

**INSERT INTO linea\_detalle**

**VALUES (1000, 1, 899.99, 2, 'High-performance mountain bike', 10001, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1001, 2, 1299.99, 1, 'Lightweight road bike for speed', 10002, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1002, 3, 799.99, 3, 'Versatile hybrid bike for city and trail', NULL, 1002);**

**INSERT INTO linea\_detalle**

**VALUES (1003, 4, 499.99, 2, 'Sturdy BMX bike for tricks and jumps', 10004, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1004, 5, 449.99, 4, 'Comfortable cruiser bike for leisure rides', NULL, 1005);**

**INSERT INTO linea\_detalle**

**VALUES (1005, 6, 1499.99, 1, 'E-bike with electric assistance', 10006, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1006, 7, 999.99, 2, 'Compact folding bike for easy storage', 10007, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1007, 8, 1599.99, 2, 'Versatile gravel bike for all-terrain', 10008, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1008, 9, 199.99, 5, 'Balance bike for young riders', 10009, NULL);**

**INSERT INTO linea\_detalle**

**VALUES (1009, 10, 1999.99, 3, 'Aero bike for triathlons and time trials', NULL, 1003);**

**V. Evidencia de corrida (20 pts). Llenar la siguiente tabla(El código va en el lado izquierdo y el *screenshot* en el derecho):**

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 1: BICICLETA Nivel: 1**  CREATE TABLE bicicleta (  codigo\_pk NUMBER(5),  nombre VARCHAR2(15) NOT NULL,  marca VARCHAR2(15) NOT NULL,  modelo VARCHAR2(15) NOT NULL,  descripcion VARCHAR2(50),  costo NUMBER(6,2) NOT NULL,  precio\_venta NUMBER(6,2) NOT NULL,  cantidad NUMBER(4) NOT NULL,  CONSTRAINT bicicleta\_codigo\_pk  PRIMARY KEY(codigo\_pk)  ); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 2: CLIENTE Nivel: 1**  CREATE TABLE cliente (  celular\_pk VARCHAR2(13) NOT NULL,  nombre VARCHAR2(15),  inicial CHAR(1),  apellido\_paterno VARCHAR2(13) NOT NULL,  apellido\_materno VARCHAR2(13),  linea\_1 VARCHAR2(50) NOT NULL,  linea\_2 VARCHAR2(50),  urban\_barrio VARCHAR2(15),  ciudad VARCHAR2(35) NOT NULL,  estado VARCHAR2(35) NOT NULL,  zipcode NUMBER(5) NOT NULL,  email VARCHAR2(35),  CONSTRAINT cliente\_celular\_pk  PRIMARY KEY(celular\_pk)  ); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 3: EMPLEADO Nivel: 1**  CREATE TABLE empleado (  num\_pk NUMBER(13),  nombre VARCHAR2(15) NOT NULL,  inicial CHAR(1),  apellido\_paterno VARCHAR2(13) NOT NULL,  apellido\_materno VARCHAR2(13),  linea\_1 VARCHAR2(50) NOT NULL,  linea\_2 VARCHAR2(50),  urban\_barrio VARCHAR2(15),  ciudad VARCHAR2(35) NOT NULL,  estado VARCHAR2(35) NOT NULL,  zipcode NUMBER(5) NOT NULL,  email VARCHAR2(35),  salario\_mensual NUMBER(6,2) NOT NULL,  CONSTRAINT empleado\_num\_pk  PRIMARY KEY(num\_pk)  ); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 4: PIEZA Nivel: 1**  CREATE TABLE pieza (  codigo\_pk NUMBER(5),  nombre VARCHAR2(15) NOT NULL,  cantidad NUMBER(3) NOT NULL,  descripcion VARCHAR2(50),  CONSTRAINT pieza\_codigo\_pk  PRIMARY KEY(codigo\_pk)  ); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 5: ORDEN Nivel: 2**  CREATE TABLE orden (  num\_pk NUMBER(13),  fecha DATE NOT NULL,  celular\_cliente\_fk VARCHAR2(13) NOT NULL,  comentario VARCHAR2(50),  CONSTRAINT orden\_pk  PRIMARY KEY(num\_pk),  CONSTRAINT orden\_celular\_cliente\_fk  FOREIGN KEY (celular\_cliente\_fk)  REFERENCES cliente(celular\_pk)  ); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 6: LINEA\_DETALLE Nivel: 3**  CREATE TABLE linea\_detalle (  num\_orden\_pk\_fk1 NUMBER(13),  numero\_pk NUMBER(13),  precio NUMBER(6,2) NOT NULL,  cantidad NUMBER(5) NOT NULL,  comentario VARCHAR2(50),  codigo\_pieza\_fk2 NUMBER(5),  codigo\_bicicleta\_fk3 NUMBER(5),  CONSTRAINT linea\_detalle\_pk  PRIMARY KEY(num\_orden\_pk\_fk1, numero\_pk),  CONSTRAINT linea\_detalle\_fk1  FOREIGN KEY (num\_orden\_pk\_fk1)  REFERENCES orden(num\_pk),  CONSTRAINT linea\_detalle\_fk2  FOREIGN KEY (codigo\_pieza\_fk2)  REFERENCES pieza(codigo\_pk),  CONSTRAINT linea\_detalle\_fk3  FOREIGN KEY (codigo\_bicicleta\_fk3)  REFERENCES bicicleta(codigo\_pk)  ); |  |

**Vi. SQL-DML (Insertar Datos)** (5 pts) Hay que mostrar evidencia de la corrida

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| **Código (En Texto – Courier New) INSERT INTO…** | **Imagen (*Print-Screen*)** |
| **Tabla 1: BICICLETA Nivel: 1**  INSERT INTO bicicleta  VALUES (1001, 'Mountain Bike', 'Trek', 'X-Caliber', 'High-performance mountain bike', 500.00, 899.99, 10);  INSERT INTO bicicleta  VALUES (1002, 'Road Bike', 'Specialized', 'Roubaix', 'Lightweight road bike for speed', 700.00, 1299.99, 15);  INSERT INTO bicicleta  VALUES (1003, 'Hybrid Bike', 'Giant', 'Escape', 'Versatile hybrid bike for city and trail', 450.00, 799.99, 12);  INSERT INTO bicicleta  VALUES (1004, 'BMX Bike', 'Haro', 'Freestyler', 'Sturdy BMX bike for tricks and jumps', 300.00, 499.99, 8);  INSERT INTO bicicleta  VALUES (1005, 'Cruiser Bike', 'Schwinn', 'Classic Cruiser', 'Comfortable cruiser bike for leisure rides', 250.00, 449.99, 20);  INSERT INTO bicicleta  VALUES (1006, 'Electric Bike', 'Rad Power Bikes', 'RadRunner', 'E-bike with electric assistance', 800.00, 1499.99, 5);  INSERT INTO bicicleta  VALUES (1007, 'Folding Bike', 'Dahon', 'Mariner D8', 'Compact folding bike for easy storage', 600.00, 999.99, 7);  INSERT INTO bicicleta  VALUES (1008, 'Gravel Bike', 'Cannondale', 'Topstone', 'Versatile gravel bike for all-terrain', 900.00, 1599.99, 9);  INSERT INTO bicicleta  VALUES (1009, 'Kids Bike', 'Strider', '12 Sport', 'Balance bike for young riders', 100.00, 199.99, 25);  INSERT INTO bicicleta  VALUES (1010, 'Triathlon Bike', 'Cervelo', 'P-Series', 'Aero bike for triathlons and time trials', 1200.00, 1999.99, 6); |  |
| **Código (En Texto – Courier New) INSERT INTO…** | **Imagen (*Print-Screen*)** |
| **Tabla 2: CLIENTE Nivel: 1**  INSERT INTO cliente  VALUES ('3038825606', 'Bernelle', 'B', 'Hawyes', 'Lomaz', '2503 Vahlen Junction', '16th Floor', 'La Esperanza', 'Denver', 'Colorado', 80270, 'blomaz1@sitemeter.com');  INSERT INTO cliente  VALUES ('3046495477', 'Linn', 'F', 'Godly', 'Lelievre', '36387 Dottie Lane', 'Room 847', 'Santa Rosa', 'Huntington', 'West Virginia', 25709, 'llelievre5@cbslocal.com');  INSERT INTO cliente  VALUES ('6122116068', 'Lyman', 'A', 'Devereu', 'Gahan', '68 Homewood Trail', 'PO Box 45069', 'Los Pinos', 'Minneapolis', 'Minnesota', 55417, 'lgahan0@ning.com');  INSERT INTO cliente  VALUES ('6825052144', 'Channa', 'C', 'Morena', 'Ambrogioni', '24828 Springview Street', 'PO Box 19151', 'Villa del Sol', 'Fort Worth', 'Texas', 76178, 'cambrogioni2@angelfire.com');  INSERT INTO cliente  VALUES ('7049780749', 'Logan', 'I', 'Brill', 'Pimme', '49949 Holy Cross Place', '1st Floor', 'Los Alamos', 'Charlotte', 'North Carolina', 28289, 'lpimme8@biglobe.ne.jp');  INSERT INTO cliente  VALUES ('7193642604', 'Boyd', 'J', 'Schuricht', 'Bussel', '1 Northridge Drive', '6th Floor', 'San Francisco', 'Colorado Springs', 'Colorado', 80995, 'bbussel9@lulu.com');  INSERT INTO cliente  VALUES ('9091694321', 'Nelia', 'H', 'Meric', 'Giamuzzo', '5014 Pond Center', '7th Floor', 'La Floresta', 'San Bernardino', 'California', 92410, 'ngiamuzzo7@ibm.com');  INSERT INTO cliente  VALUES ('9131634684', 'Mart', 'E', 'Rake', 'Borleace', '697 Judy Court', '13th Floor', 'San Isidro', 'Shawnee Mission', 'Kansas', 66220, 'mborleace4@guardian.co.uk');  INSERT INTO cliente  VALUES ('9371261485', 'Violante', 'D', 'Border', 'Churchman', '568 Blaine Hill', 'Room 1890', 'El Bosque', 'Dayton', 'Ohio', 45403, 'vchurchman3@deliciousdays.com');  INSERT INTO cliente  VALUES ('9981522394', 'Wyatt', 'G', 'Matijasevic', 'Crate', '5948 Carpenter Lane', 'Apt 1953', 'El Paraíso', 'Boise', 'Idaho', 83716, 'wcrate6@ted.com'); |  |

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| **Código (En Texto – Courier New) INSERT INTO…** | **Imagen (*Print-Screen*)** |
| **Tabla 3: EMPLEADO Nivel: 1**  INSERT INTO empleado  VALUES (18447, 'John', 'J', 'Doe', 'Swart', '123 Main St', 'Apt 4B', 'Downtown', 'Cityville', 'StateA', 12345, 'john.doe@email.com', 1000);  INSERT INTO empleado  VALUES (29183, 'Alice', 'A', 'Smith', 'Lord', '456 Oak St', NULL, 'Suburbia', 'Townsville', 'StateB', 54321, 'alice.smith@email.com', 1500);  INSERT INTO empleado  VALUES (33838, 'Bob', 'B', 'Johnson', 'Baki', '789 Pine St', 'Unit 7', 'Uptown', 'Villageton', 'StateC', 67890, 'bob.johnson@email.com', 1500);  INSERT INTO empleado  VALUES (49494, 'Catherine', 'C', 'Miller', 'Gabe','101 Elm St', NULL, 'Outskirts', 'Ruraltown', 'StateD', 13579, 'catherine.miller@email.com', 1700);  INSERT INTO empleado  VALUES (50193, 'David', 'D', 'Brown', 'Villegas','202 Birch St', 'Apt 12', 'Hillside', 'Mountainville', 'StateE', 98765, 'david.brown@email.com', 2800);  INSERT INTO empleado  VALUES (67462, 'Emily', 'E', 'Wilson', 'Cruz', '303 Cedar St', NULL, 'Village Center', 'Smalltown', 'StateF', 24680, 'emily.wilson@email.com', 1000);  INSERT INTO empleado  VALUES (747472, 'Frank', 'F', 'Taylor', 'Castro', '404 Maple St', 'Unit 5', 'Downtown', 'Cityburg', 'StateG', 11223, 'frank.taylor@email.com', 1500);  INSERT INTO empleado  VALUES (847373, 'Grace', 'G', 'Davis', 'Ortiz', '505 Walnut St', NULL, 'Countryside', 'Ruralburg', 'StateH', 33445, 'grace.davis@email.com', 1500);  INSERT INTO empleado  VALUES (959272, 'Henry', 'H', 'Anderson', 'Perez', '606 Oak St', 'Suite 3', 'Suburbia', 'Townsville', 'StateI', 55667, 'henry.anderson@email.com', 1700);  INSERT INTO empleado  VALUES (999958, 'Isabel', 'I', 'White', 'Lorenz', '707 Pine St', NULL, 'Uptown', 'Villageton', 'StateJ', 77889, 'isabel.white@email.com', 2800); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 4: PIEZA Nivel: 1**  INSERT INTO pieza  VALUES (10001, 'Bolt', 50, 'Steel bolt for construction');  INSERT INTO pieza  VALUES (10002, 'Nut', 100, 'Metal nut for fastening');  INSERT INTO pieza  VALUES (10003, 'Spring', 75, 'Coil spring for mechanical applications');  INSERT INTO pieza  VALUES (10004, 'Screw', 120, 'Metal screw for various uses');  INSERT INTO pieza  VALUES (10005, 'Washer', 90, 'Flat washer for securing bolts');  INSERT INTO pieza  VALUES (10006, 'Circuit', 30, 'Electrical circuit component');  INSERT INTO pieza  VALUES (10007, 'Gear', 60, 'Mechanical gear for machinery');  INSERT INTO pieza  VALUES (10008, 'Connector', 40, 'Electrical connector');  INSERT INTO pieza  VALUES (10009, 'Pipe', 25, 'Metal pipe for plumbing');  INSERT INTO pieza  VALUES (10010, 'Switch', 50, 'Electrical switch for devices'); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 5: ORDEN Nivel: 2**  INSERT INTO orden  VALUES (1000, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '3038825606', 'Order for Bernelle Hawyes');  INSERT INTO orden  VALUES (1001, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '3046495477', 'Order for Linn Godly');  INSERT INTO orden  VALUES (1002, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '6122116068', 'Order for Lyman Devereu');  INSERT INTO orden  VALUES (1003, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '6825052144', 'Order for Channa Morena');  INSERT INTO orden  VALUES (1004, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '7049780749', 'Order for Logan Brill');  INSERT INTO orden  VALUES (1005, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '7193642604', 'Order for Boyd Schuricht');  INSERT INTO orden  VALUES (1006, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9091694321', 'Order for Nelia Meric');  INSERT INTO orden  VALUES (1007, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9131634684', 'Order for Mart Rake');  INSERT INTO orden  VALUES (1008, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9371261485', 'Order for Violante Border');  INSERT INTO orden  VALUES (1009, TO\_DATE('2023-11-17', 'YYYY-MM-DD'), '9981522394', 'Order for Wyatt Matijasevic'); |  |

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| **Código (En Texto – Courier New)** | **Imagen (*Print-Screen*)** |
| **Tabla 6: LINEA\_DETALLE Nivel: 3**  INSERT INTO linea\_detalle  VALUES (1000, 1, 899.99, 2, 'High-performance mountain bike', 10001, NULL);  INSERT INTO linea\_detalle  VALUES (1001, 2, 1299.99, 1, 'Lightweight road bike for speed', 10002, NULL);  INSERT INTO linea\_detalle  VALUES (1002, 3, 799.99, 3, 'Versatile hybrid bike for city and trail', NULL, 1002);  INSERT INTO linea\_detalle  VALUES (1003, 4, 499.99, 2, 'Sturdy BMX bike for tricks and jumps', 10004, NULL);  INSERT INTO linea\_detalle  VALUES (1004, 5, 449.99, 4, 'Comfortable cruiser bike for leisure rides', NULL, 1005);  INSERT INTO linea\_detalle  VALUES (1005, 6, 1499.99, 1, 'E-bike with electric assistance', 10006, NULL);  INSERT INTO linea\_detalle  VALUES (1006, 7, 999.99, 2, 'Compact folding bike for easy storage', 10007, NULL);  INSERT INTO linea\_detalle  VALUES (1007, 8, 1599.99, 2, 'Versatile gravel bike for all-terrain', 10008, NULL);  INSERT INTO linea\_detalle  VALUES (1008, 9, 199.99, 5, 'Balance bike for young riders', 10009, NULL);  INSERT INTO linea\_detalle  VALUES (1009, 10, 1999.99, 3, 'Aero bike for triathlons and time trials', NULL, 1003); |  |

***vi. Consultas***. Conteste las siguientes consultas (15 pts)

**Debe asegurarse de que cada pregunta tenga al menos una respuesta.) La pregunta está escrita en el examen.**

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| **PREGUNTA 1: Muestra todos los datos de la tabla BICICLETA** |
| 1. Evidencia (Print-screen) |

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| **PREGUNTA 2: Mostrar la estructura de la tabla EMPLEADO** |
| 1. Evidencia (Print-screen) |

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| **PREGUNTA 3: Mostrar la marca y modelo de aquellas bicicletas que valen (precio venta) mas de 100 dolares.** |
| 1. Evidencia (Print-screen) |

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| **PREGUNTA 4: Mostrar el nombre de aquellos empleados cuyo nombre comience con la letra N.**  . |
| 1. Evidencia (Print-screen) |

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| **PREGUNTA 5: Mostrar el nombre del cliente, El numero de la orden y el precio y cantidad del detalle de lo que solicito.** |
| 1. Evidencia (Print-screen) |