Bustamante Mathias Andrés **4ºB**

**DDL – EJERCITACIÓN**

**1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CREATE VIEW** V\_PROVEEDORES\_PRODUCTOS

**AS**

**SELECT** numero, pnro

**FROM** productos, proveedores

**WHERE** productos.localidad != proveedores.localidad;

**2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ALTER** **TABLE** productos **ADD** IMPORTADOR **VARCHAR**(30);

**3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CREATE VIEW** PROVEEDORES\_WILDE

**AS**

**SELECT** \*

**FROM** proveedores

**WHERE** proveedores.localidad = 'wilde';

**4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DEPARTAMENTOS-EMPLEADOS**

**CREATE** **TABLE** DEPARTAMENTOS(

cod-dept **INT** **NOT** **NULL**,

descr **VARCHAR**(20) **NOT** **NULL**,

**CONSTRAINT** pk\_cod-dept **PRIMARY** **KEY** (cod-dept)

);

**CREATE** **TABLE** EMPLEADOS(

cod-emp **INT**,

nombre **VARCHAR**(20) **NOT** **NULL**,

edad **INT** **NOT** **NULL**,

cod-dept **INT**,

**CONSTRAINT** pk\_cod-emp **PRIMARY** **KEY** (cod-emp),

**CONSTRAINT** fk\_cod-dept **FOREIGN** **KEY** (cod-dept)

**REFERENCES** DEPARTAMENTOS (cod-dept)

);

**PACIENTES-MEDICAMENTOS**

**CREATE** **TABLE** PACIENTES(

cod-pac **INT**,

nombre **VARCHAR**(20) **NOT** **NULL**,

edad **INT** **NOT** **NULL**,

**CONSTRAINT** pk\_cod-pac **PRIMARY** **KEY** (cod-pac)

);

**CREATE** **TABLE** MEDICAMENTOS(

cod-med **INT**,

descr **VARCHAR**(20) **NOT** **NULL**,

cod-pac **INT** **NOT** **NULL**,

**CONSTRAINT** pk\_cod-med **PRIMARY** **KEY** (cod-med),

**CONSTRAINT** fk\_ cod-pac **FOREIGN** **KEY** (cod-pac) **REFERENCES** PACIENTES (cod-pac)

);

**DML – EJERCITACIÓN**

**1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CREATE TABLE PROVEEDORES**(

numero **INT NOT NULL**,

nombre **VARCHAR**(20) **NOT NULL**,

domicilio **VARCHAR**(15) **NOT NULL**,

localidad **VARCHAR**(12),

**CONSTRAINT** pk\_numero **PRIMARY KEY** (numero)

);

**CREATE TABLE PRODUCTOS**(

pnro **INT NOT NULL**,

pnombre **VARCHAR**(20) **NOT NULL**,

precio **INT NOT NULL**,

tamaño **VARCHAR**(20),

localidad **VARCHAR**(12) **NOT NULL**,

**CONSTRAINT** pk\_pnro **PRIMARY KEY** (pnro)

);

**CREATE TABLE** PROV\_PROD (

numero **INT NOT NULL**,

pnro **INT NOT NULL**,

cantidad **INT NOT NULL**,

**CONSTRAINT** pk\_prod-prov **PRIMARY KEY** (numero, pnro),

**CONSTRAINT** fk\_numero **FOREIGN KEY** (numero) **REFERENCES** PROVEEDORES (numero),

**CONSTRAINT** fk\_pnro **FOREIGN KEY** (pnro) **REFERENCES** PRODUCTOS (pnro)

);

**1.1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** PRODUCTOS;

**1.2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** PROVEEDORES

**WHERE** localidad = 'capital';

**1.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** PROV\_PROD

**WHERE** cantidad >= 200 **AND** cantidad <= 300;

**1.4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** pnro

**FROM** PROV\_PROD **INNER** **JOIN** **PROVEEDORES**

**WHERE** PROV\_PROD.numero = PROVEEDORES.numero **AND** PROVEEDORES.localidad = 'avellaneda';

**1.5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **SUM**(cantidad)

**FROM** PROV\_PROD

**WHERE** pnro = 001 **AND** numero = 103;

**1.6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** pnro, localidad

**FROM** PRODUCTOS

**WHERE** localidad **LIKE** '\_A%';

**1.7\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** precio

**FROM** PRODUCTOS **INNER** **JOIN** PROV\_PROD

**WHERE** PRODUCTOS.PNRO = PROV\_PROD.PNRO **AND** PROV\_PROD.numero = 102;

**1.8\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** productos.LOCALIDAD

**FROM** productos

**UNION**

**SELECT** proveedores.LOCALIDAD

**FROM** proveedores;

**1.9\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**UPDATE** PRODUCTOS

**SET** TAMAÑO = 'chico'

**WHERE** TAMAÑO = 'mediano'

**1.10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DELETE** **FROM** PRODUCTOS

**WHERE** PNRO **NOT** **IN** (**SELECT** **DISTINCT** PNRO **FROM** PROV-PROD);

**1.11\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**INSERT** **INTO** PROVEEDORES

**VALUES** (107, 'rosales', '', 'wilde');

**2.1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **MAX** (cantidad)

**FROM** ITEM\_VENTAS;

**2.2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **SUM** (cantidad)

**FROM** ITEM\_VENTAS

**WHERE** codigo\_producto = 'c';

**2.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **SUM**(ITEM\_VENTA.cantidad) **as** total, codigo\_producto, nombre\_producto

**FROM** ITEM\_VENTAS, PRODUCTOS

**WHERE** PRODUCTOS.codigo\_producto = ITEM\_VENTAS.codigo\_producto

**GROUP** **BY** PRODUCTO.nom\_prod

**ORDER** **BY** SUM(ITEM\_VENTA.cantidad) **DESC**;

**2.4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** p.nombre\_producto, **SUM**(ITEM\_VENTA.cantidad) **as** CANTIDAD

**FROM** item\_venta, productos **as** p

**WHERE** ITEM\_VENTA.codigo\_producto = p.codigo\_producto

**GROUP** **BY** p.nombre\_producto

**HAVING** (**SUM**(ITEM\_VENTA.cantidad))

**ORDER** **BY** (p.nombre\_producto) **DESC**;

**2.5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** v.cod-cliente, c.nombre\_cliente, **COUNT**(v.numero\_factura) **as** COMPRA

**FROM** CLIENTE **as** c, VENTAS **as** v

**WHERE** v.cod-cliente = c.cod-cliente

**GROUP** **BY** (v.cod-cliente, c.nombre-cliente)

**ORDER** **BY** **COUNT** (v.numero-factura) **DESC**

**2.6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** iv.cod-prod, **AVG**(iv.cantidad) AS promedio

**FROM** VENTAS **as** v, ITEM\_VENTAS **as** iv

**WHERE** iv.num-factura = v.num-factura **AND** v.cod-cliente = 1

**GROUP** **BY** iv.cod-prod

**CONSULTAS SIMPLES**

**3.1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** OFICINAS.descripcion

**FROM** OFICINAS;

**3.2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** PRODUCTOS.descripcion, PRODUCTOS.precio (PRODUCTOS.PRECIO \* 1.21) **as** IVA

**FROM** PRODUCTOS;

**3.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** EMPLEADOS.apellido, EMPLEADOS.nombre, EMPLEADOS.fecha\_nacimiento, **YEAR**(**GETDATE**())–**YEAR**(FECHA\_NACIMIENTO) **as** EDAD

**FROM** EMPLEADOS;

**3.4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** EMPLEADOS

**WHERE** EMPLEADOS.cod\_jefe != **null**;

**3.5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** EMPLEADOS

**WHERE** EMPLEADOS.nombre = 'maria'

**ORDER** **BY**

EMPLEADOS.apellido **ASC**;

**3.6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** CLIENTES

**WHERE** **LIKE** 'L%'

**ORDER** **BY** CLIENTES.cod\_cliente;

**3.7\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** PEDIDOS

**WHERE** **LIKE** '\_\_/03/\_\_\_\_'

**ORDER** **BY** PEDIDOS.fecha\_pedido;

**3.8\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** OFICINAS

**WHERE** OFICINAS.cod\_director **is** **null**;

**3.9\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **TOP** 4 **DESC**, precio\_costo

**FROM** PRODUCTOS

**ORDER** **BY** **ASC**;

**3.10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **TOP** 3 DATOS\_CONTRATO.cod\_empleado

**FROM** DATOS\_CONTRATOS

**ORDER** **BY** DATOS\_CONTRATO.CUOTA **DESC**;

**CONSULTA MULTITABLA – EJERCITACIÓN**

**1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** PRODUCTO.descripcion, FABRICANTE.razon\_social, PRODUCTO.cantidad\_stock

**FROM** PRODUCTOS, FABRICANTE **INNER** **JOIN** FABRICANTE **as** F

**WHERE** PRODUCTO.cod\_fabricante = F.cod\_fabricante

**ORDER** **BY** FABRICANTE.razon\_social,PRODUCTO.descripcion;

**2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** PEDIDOS.cod\_pedido, PEDIDOS.fecha\_pedido, EMPLEADO.apellido, CLIENTE.razon\_social

**FROM** PEDIDOS, EMPLEADOS, CLIENTES

**WHERE** EMPLEADO.cod\_empleado = PEDIDOS.cod\_empleados **AND** PEDIDOS.cod\_cliente = CLIENTES.cod\_cliente;

**3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** EMPLEADOS.apellido, DATOS\_CONTRATO.cuota **as** CUOTA, OFICINA.descripcion

**FROM** EMPLEADOS, DATOS\_CONTRATO, OFICINA

**WHERE** EMPLEADOS.cod\_empleado = DATOS\_CONTRATO.cod\_empleado **AND** OFICINA.cod\_oficina = EMPLEADOS.cod\_oficina

**ORDER** **BY** CUOTA **DESC**;

**4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** CLIENTES.razon\_social

**FROM** CLIENTES **INNER** **JOIN** PEDIDOS

**WHERE** PEDIDOS.cod\_cliente = CLIENTES.cod\_cliente **AND** **LIKE** '\_\_/04/\_\_\_\_';

**5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** \*

**FROM** PRODUCTOS **INNER** **JOIN** PEDIDOS, DETALLE\_PRODUCTO

**WHERE** PRODUCTOS.cod\_producto = DETALLE\_PEDIDOS.cod\_producto

**AND** DETALLE\_PRODUCTO.cod\_pedido = PEDIDOS.cod\_pedido

**AND** **MONTH**(PEDIDOS.fecha\_pedido) = 3;

**6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** EMPLEADOS **INNER** **JOIN** DATOS\_CONTRATO

**WHERE** DATOS\_CONTRATO.cod\_empleado = EMPLEADO.cod\_empleado

**AND** (**YEAR**(GETDATE()) - **YEAR**(DATOS\_CONTRATO.fecha\_contrato)) > 10

**ORDER** **BY** DATOS\_CONTRATO.fecha\_contrato **DESC**;

**7\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** CLIENTES **INNER** **JOIN** LISTAS

**WHERE** CLIENTES.cod\_lista = LISTAS.cod\_lista **AND** LISTAS.descripcion = 'mayorista'

**ORDER** **BY** CLIENTES.razon\_social;

**8\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** **DISTINCT** \*

**FROM** PRODUCTOS **INNER** **JOIN** PEDIDOS, CLIENTES, DETALLE\_PEDIDO

**WHERE** CLIENTES.cod\_cliente = PEDIDOS.cod\_cliente

**AND** PEDIDO.cod\_pedido = DETALLE\_PEDIDO.cod\_pedido

**AND** PRODUCTO.cod\_producto = DETALLE\_PEDIDO.cod\_producto

**ORDER** **BY** CLIENTES.razon\_social, PRODUCTO.descripcion;

**9\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** PRODUCTOS.descripcion, FABRICANTE.razon\_social,

(PRODUCTO.punto\_reposicion - PRODUCTO.stock) **as** CANTIDAD\_COMPRAR

**FROM** PRODUCTOS, FABRICANTE

**WHERE** PRODUCTOS.cod\_fabricante = FABRICANTE.cod\_fabricante

**AND** PRODUCTO.cantidad\_stock < PRODUCTO.punto\_reposicion

**ORDER** **BY** FABRICANTE.razon\_social, PRODUCTOS.descripcion;

**10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SELECT** \*

**FROM** EMPLEADOS **INNER** **JOIN** DATOS\_CONTRATO

**WHERE** EMPLEADOS.cod\_empleado = DATOS\_CONTRATO.cod\_empleado

**AND** (DATOS\_CONTRATO.cuota < 50000

**OR** DATOS\_CONTRATO.cuota > 100000);

**CATÁLOGO DEL SISTEMA – EJERCITACIÓN**

**1**

**SELECT TBNAME**

**FROM SYSCOLUMNS**

**WHERE NAME = 'LOCALIDAD';**

**2**

**SELECT COLCOUNT**

**FROM SYSTABLES**

**WHERE NAME = 'PRODUCTOS';**

**3**

**SELECT Creator, COUNT(\*)**

**FROM SYSTABLES**

**GROUP BY Creator;**

**4**

**SELECT DISTINCT TBNAME**

**FROM SYSINDEXES;**

**CATÁLOGO DEL SISTEMA – EJERCITACIÓN**

**1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PACIENTES**

CLAVE PRIMARIA = COD\_PACIENTE

**MEDICAMENTOS**

CLAVE PRIMARIA = COD\_MED

**GASTOS**

CLAVE PRIMARIA = COD\_PACIENTE, COD\_MED

CLAVE AJENAS=COD\_PACIENTE, COD\_MED

**2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CURSOS**

CLAVE PRIMARIA = NUMCURSO

**OFRECIMIENTOS**

CLAVE PRIMARIA = NUMOFR, NUMCURSO

CLAVE AJENA = NUMCURSO

**PROFESORES**

CLAVE PRIMARIA = NUMOFR, NUMCURSO, NUMEMP

CLAVE AJENA = NUMCURSO, NUMEMP, NUMOFR

**ESTUDIANTES**

CLAVES PRIMARIAS = NUMCURSO, NUMOFR, NUMEMP

CLAVES AJENAS = NUMCURSO, NUMOFR, NUMEMP

**EMPLEADOS**

CLAVE PRIMARIA = NUMEMP

**3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PRIMARY** **KEY**(cod\_emp);

**CONSTRAINT** ck\_cod\_emp

**CHECK** (cod\_empleado >= 100 **AND** cod\_empleado <= 1000);

**CONSTRAINT** uk\_tipo\_doc\_num\_doc

**UNIQUE** (tipo\_doc, num\_doc);

**CONSTRAINT** ck\_categoria

**CHECK** categoria **IN** ('Senior', 'Semi Senior', 'Junior');

**CONSTRAINT** fk\_cod\_ofic

**FOREIGN** **KEY** (cod\_ofic)

**REFERENCES** OFICINAS (cod\_ofic);