

```
create database integrador;
```

```
USE integrador;
```

```
CREATE TABLE Clientes (  
    NUM_CLIE INTEGER NOT NULL,  
    EMPRESA VARCHAR(20) NOT NULL,  
    REP_CLIE INTEGER,  
    LIMITE_CREDITO FLOAT,  
    PRIMARY KEY (NUM_CLIE)  
  
);
```

```
CREATE TABLE REPVENTAS (  
    NUM_EMPL INTEGER NOT NULL PRIMARY KEY,  
    NAME VARCHAR(15) NOT NULL,  
    EDAD INTEGER,  
    OFICINA_REP INTEGER,  
    TITULO VARCHAR(10) ,  
    CONTRATO DATE NOT NULL,  
    DIRECTOR INTEGER,  
    CUOTA FLOAT ,  
    VENTAS FLOAT NOT NULL  
  
);
```

```
CREATE TABLE OFICINAS (  
    OFICINA INTEGER NOT NULL PRIMARY KEY,  
    CIUDAD VARCHAR(15) NOT NULL,  
    REGION VARCHAR(10) NOT NULL,  
    DIR integer,  
    OBJETIVO FLOAT NOT NULL,  
    VENTAS FLOAT NOT NULL  
);
```

```
CREATE TABLE PRODUCTOS (  
    ID_FAB CHAR(3) NOT NULL,  
    ID_PRODUCTO CHAR(5) NOT NULL,  
    DESCRIPCION VARCHAR(20) NOT NULL,  
    PRECIO FLOAT NOT NULL,  
    EXISTENCIAS INTEGER NOT NULL,  
    PRIMARY KEY (ID_FAB, ID_PRODUCTO)  
);
```

```
CREATE TABLE PEDIDOS (  
    NUM_PEDIDO INTEGER NOT NULL PRIMARY KEY,  
    FECHA_PEDIDO DATE NOT NULL,  
    CLIE INTEGER NOT NULL,  
    REP INTEGER ,
```

ID_FAB CHAR(3) NOT NULL,
ID_PRODUCTO CHAR(5) NOT NULL,
CANT INTEGER NOT NULL,
IMPORTE FLOAT NOT NULL

);

alter table pedidos add constraint foreign key (clie) references clientes (num_clie);

alter table pedidos add constraint foreign key (rep) references REPVENTAS
(NUM_EMPL);

alter table pedidos add constraint foreign key(id_fab,id_producto)references
PRODUCTOS (id_fab, id_producto);

alter table oficinas add constraint foreign key(dir)references REPVENTAS
(num_empl);

alter table clientes add constraint foreign key (rep_clie)references REPVENTAS
(num_empl);

alter table REPVENTAS add constraint foreign key (director)references REPVENTAS
(num_empl);

alter table REPVENTAS add constraint foreign key (oficina_rep)references
oficinas (oficina);

insert into Productos values

("REI","2A45C","V Stago Trinquete",79,210),

("ASI","4100Y","Extractor",2750,25),

("QSA","XK47","Reductor",355,38),

("BIC","41672","Plate",180,0),

("IMM","779C","Riostra 2-Tm",1875,9),

("ACI","41003","Articulo tipo 3",107,207),

("ACI","41004","Articulo tipo 4",117,139),

("BIC","41003","Manivela",652,3),

("IMM","887P","Perno Riostra",250,24),
("QSA","XK48","Reductor",134,203),
("REI","2A44L","Bisagra Izqda",4500,12),
("FEA","112","Cubierta",148,115),
("IMM","887H","Soporte Riostra",54,223),
("BIC","41089","Retn",225,78),
("ASI","41001","Articulo tipo 1",55,277),
("IMM","775C","Riostra 1-Tm",1425,5),
("ACI","4100Z","Montador",2500,28),
("QSA","XK48A","Reductor",117,37),
("ACI","41002","Articulo tipo 2",76,167),
("REI","2A44R","Bisagra Dcha",4500,12),
("IMM","773C","Riostra 1/2-Tm",975,28),
("ACI","4100X","Ajustador",25,37),
("FEA","114","Bancada Motor",243,15),
("IMM","887X","Retenedor Riostra",475,32),
("REI","2A44G","Pasador Bisagra",350,14);

insert into oficinas(OFICINA,CIUDAD,REGION,OBJETIVO,VENTAS) values

(22, "DENVER", "OESTE",30000000, 18604200),
(11, "NEW YORK", "ESTE",57500000, 69263700),
(12, "CHICAGO", "ESTE",80000000, 73504200),
(13, "ATLANTA", "ESTE",35000000, 36791100),
(21, "LOS ANGELES", "OESTE",72500000, 83591500);

```
INSERT INTO RepVentas (NUM_EMPL, NAME, EDAD, OFICINA_REP, TITULO,  
CONTRATO, CUOTA, VENTAS)
```

```
VALUES
```

```
(105, 'Bill Adams', 37, 13, 'Rep Ventas', '1988-02-12', 350000.00, 367911.00),  
(109, 'Mary Jones', 31, 11, 'Rep Ventas', '1999-10-12', 300000.00, 392725.00),  
(102, 'Sue Smith', 48, 21, 'Rep Ventas', '1986-12-10', 350000.00, 474050.00),  
(106, 'Sam Clark', 52, 11, 'VP Ventas', '1988-06-14', 275000.00, 299912.00),  
(104, 'Bob Smith', 33, 12, 'Dir Ventas', '1987-05-19', 200000.00, 142594.00),  
(101, 'Dan Roberts', 45, 12, 'Rep Ventas', '1986-10-20', 300000.00, 305673.00),  
(110, 'Tom Snyder', 41, NULL, 'Rep Ventas', '1990-01-13', NULL, 75985.00),  
(108, 'Larry Fitch', 62, 21, 'Dir Ventas', '1989-10-12', 350000.00, 361865.00),  
(103, 'Paul Cruz', 29, 12, 'Rep Ventas', '1987-03-01', 275000.00, 286775.00),  
(107, 'Nancy Angelli', 49, 22, 'Rep Ventas', '1988-11-14', 300000.00, 186042.00);
```

```
INSERT INTO Clientes (NUM_CLIE, EMPRESA, REP_CLIE, LIMITE_CREDITO)
```

```
VALUES
```

```
(2111, 'JCP Inc.', 103, 50000.00),  
(2102, 'Fisrt Corp.', 101, 65000.00),  
(2103, 'Acme Mfg.', 105, 50000.00),  
(2123, 'Carter & Sons', 102, 40000.00),  
(2107, 'Ace International', 110, 35000.00),  
(2115, 'Smithson Corp.', 101, 20000.00),  
(2101, 'Jones Mfg.', 106, 65000.00),  
(2112, 'Zetacorp', 108, 50000.00),  
(2121, 'QMA Assoc.', 103, 45000.00),  
(2114, 'Orion Corp.', 102, 20000.00),  
(2124, 'Peter Brothers', 107, 40000.00),
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(2108, 'Holm & Landis', 109, 55000.00),
(2117, 'J.P. Sinclair', 106, 35000.00),
(2122, 'Three-Way Lines', 105, 30000.00),
(2120, 'Rico Enterprises', 102, 50000.00),
(2106, 'Fred Lewis Corp.', 102, 65000.00),
(2119, 'Solomon Inc.', 109, 25000.00),
(2118, 'Midwest Systems', 108, 60000.00),
(2113, 'Ian & Schmith', 104, 20000.00),
(2109, 'Chen Associates', 103, 25000.00),
(2105, 'AAA Investments', 101, 45000.00);

insert into pedidos

(NUM_PEDIDO,FECHA_PEDIDO,CLIE,REP,ID_FAB,ID_PRODUCTO,CANT,IMPORTE)
values

(1,"1989-12-17", 2117, 106, "REI", "2A44L", 7, 31500),
(2, "1990-01-11", 2111, 105, "ACI", "41003", 35, 3745),
(3, "1990-01-03", 2101, 106, "FEA", "114", 6, 1458),
(4, "1990-02-10", 2118, 108, "QSA", "XK47", 4, 1420),
(5, "1989-10-12", 2102, 101, "ACI", "41004", 34, 3978),
(6, "1990-01-30", 2107, 110, "ACI", "4100Z", 9, 22500),
(7, "1990-02-02", 2112, 108, "REI", "2A44R", 10, 45000),
(8, "1989-12-17", 2103, 105, "ACI", "41004", 28, 3276),
(9, "1990-01-14", 2118, 108, "BIC", "41003", 1, 652),
(10, "1990-02-23", 2108, 109, "FEA", "112", 10, 1480),
(11, "1990-01-08", 2124, 107, "BIC", "41003", 1, 652),
(12, "1989-12-27", 2103, 105, "ACI", "41004", 6, 702),
(13, "1990-01-20", 2114, 108, "QSA", "XK47", 20, 7100),
(14, "1990-02-24", 2124, 107, "FEA", "114", 10, 2430),

(15, "1989-10-12", 2114, 102, "ACI", "4100Z", 6, 15000),
(16, "1990-01-22", 2103, 105, "ACI", "41002", 54, 4104),
(17, "1990-01-08", 2112, 108, "IMM", "773C", 3, 2925),
(18, "1990-03-02", 2109, 107, "IMM", "775C", 22, 31350),
(19, "1990-01-29", 2107, 110, "REI", "2A45C", 8, 632),
(20, "1989-11-04", 2118, 108, "ACI", "41002", 10, 760),
(21, "1989-10-12", 2111, 103, "REI", "2A44G", 6, 2100),
(22, "1998-02-15", 2108, 101, "ACI", "4100X", 6, 150),
(23, "1990-02-10", 2120, 102, "IMM", "779C", 2, 3750),
(24, "1989-01-04", 2106, 102, "REI", "2A45C", 24, 1896),
(25, "1990-02-27", 2106, 102, "QSA", "XK47", 6, 2130),
(26, "1990-01-25", 2108, 109, "IMM", "779C", 3, 5625),
(27, "1990-02-10", 2118, 108, "QSA", "XK47", 2, 776),
(28, "1989-12-31", 2103, 105, "ACI", "4100Y", 11, 27500),
(29, "1990-02-18", 2111, 103, "ACI", "4100X", 24, 600),
(30, "1990-02-02", 2113, 101, "REI", "2A44R", 5, 22500);

SELECT oficina, objetivo, ventas

FROM oficinas

WHERE region = 'Este';

SELECT oficina, objetivo, ventas

FROM oficinas

WHERE region = 'Este' AND ventas > objetivo

ORDER BY ciudad;

SELECT AVG(objetivo) AS objetivo_promedio, AVG(ventas) AS ventas_promedio

```
FROM oficinas  
WHERE region = 'Este';
```

```
SELECT nombre, cuota, ventas  
FROM empleados  
WHERE id_empleado = 107;
```

```
SELECT ciudad, region, (ventas - objetivo) AS diferencia  
FROM oficinas;
```

```
SELECT producto, precio * cantidad AS valor_inventario  
FROM productos;
```

```
SELECT nombre  
FROM vendedores  
WHERE fecha_contratacion < '1988-01-01';
```

```
SELECT oficina, ventas, objetivo  
FROM oficinas  
WHERE ventas < (0.8 * objetivo);
```

```
SELECT *
```


FROM pedidos

WHERE fecha_pedido BETWEEN '1989-10-01' AND '1989-12-31';

SELECT *

FROM pedidos

WHERE id_vendedor IN (107, 109, 101, 103);