|  |
| --- |
| (DROP,RENAME,ALTER) COLUMN |
| TABLE |

ALTER TABLE Customers  
ADD Email varchar(255);

ALTER TABLE Customers  
DROP COLUMN Email;

ALTER TABLE table\_name  
RENAME COLUMN old\_name to new\_name;

ALTER TABLE Persons  
ADD DateOfBirth date;

ALTER TABLE Persons  
ALTER COLUMN DateOfBirth year;

ALTER TABLE Person   
ALTER COLUMN Age int NOT NULL;

ALTER TABLE Persons  
ADD UNIQUE (ID);

ALTER TABLE Persons  
ADD CONSTRAINT UC\_Person UNIQUE (ID,LastName);

ALTER TABLE Persons  
DROP CONSTRAINT UC\_Person;

ALTER TABLE Persons  
ADD PRIMARY KEY (ID);

ALTER TABLE Persons  
ADD CONSTRAINT PK\_Person PRIMARY KEY (ID,LastName);

ALTER TABLE Persons  
DROP CONSTRAINT PK\_Person;

ALTER TABLE Orders  
ADD FOREIGN KEY (PersonID) REFERENCES Persons(PersonID);

ALTER TABLE Orders  
ADD CONSTRAINT FK\_PersonOrder  
FOREIGN KEY (PersonID) REFERENCES Persons(PersonID);

ALTER TABLE Orders  
DROP CONSTRAINT FK\_PersonOrder;

ALTER TABLE Persons  
ADD CHECK (Age>=18);

ALTER TABLE Persons  
ADD CONSTRAINT CHK\_PersonAge CHECK (Age>=18 AND City='Sandnes');

ALTER TABLE Persons  
DROP CONSTRAINT CHK\_PersonAge;

ALTER TABLE Persons  
ADD CONSTRAINT df\_City  
DEFAULT 'Sandnes' FOR City;

ALTER TABLE Persons  
ALTER COLUMN City DROP DEFAULT;

ALTER TABLE Persons  
ALTER COLUMN City DROP DEFAULT;

CREATE VIEW [Products Above Average Price] AS  
SELECT ProductName, Price  
FROM Products  
WHERE Price > (SELECT AVG(Price) FROM Products);

CREATE OR REPLACE VIEW [Brazil Customers] AS  
SELECT CustomerName, ContactName, City  
FROM Customers  
WHERE Country = 'Brazil';

DROP VIEW [Brazil Customers];

INSERT INTO Customers (CustomerName, City, Country)  
VALUES ('Cardinal', 'Stavanger', 'Norway');

INSERT INTO Customers (CustomerName, ContactName, Address, City, PostalCode, Country)  
VALUES  
('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway'),  
('Greasy Burger', 'Per Olsen', 'Gateveien 15', 'Sandnes', '4306', 'Norway'),  
('Tasty Tee', 'Finn Egan', 'Streetroad 19B', 'Liverpool', 'L1 0AA', 'UK');

UPDATE Customers  
SET ContactName = 'Alfred Schmidt', City= 'Frankfurt'  
WHERE CustomerID = 1;

DELETE FROM Customers WHERE CustomerName='Alfreds Futterkiste';