DML STATEMENTS:(examples)

1. INSERT

create table students (roll\_no int,student\_name varchar(150),course varchar(150));

insert into students values(1,'ashish','java');

Insert into students values(2,’rahul’,’C++’);

insert into students values(3,'divya','Arch');

select \* from students;

1. SELECT

-->select student\_name from students;

-->select roll\_no, student\_name, course from students where roll\_no=3;

1. Update

-->update students set roll\_no=roll\_no+10 where student\_name='ashish';

-->update students12 set student\_name='aman' where roll\_no=2;

select \* from students;

1. Delete

-->delete from students where roll\_no=11;

select \* from students;

-->delete from students where student\_name= 'divya';

Examples of DCL commands:

-->GRANT SELECT ON Users TO'Tom'@'localhost;

-->REVOKE SELECT, UPDATE ON student FROM BCA, MCA;

The following constraints are commonly used in SQL:

* NOT NULL - Ensures that a column cannot have a NULL value
* UNIQUE KEY - Ensures that all values in a column are different
* PRIMARY KEY - A combination of a NOT NULL and UNIQUE. Uniquely identifies each row in a table
* FOREIGN KEY - Prevents actions that would destroy links between tables
* DEFAULT - Sets a default value for a column if no value is specified

CREATE TABLE Persons (  
    ID int NOT NULL,  
    LastName varchar(255) NOT NULL,  
    FirstName varchar(255)NOT NULL,  
    Age int  
);

CREATE TABLE Persons (  
    ID int NOT NULL,  
    LastName varchar(255) NOT NULL,  
    FirstName varchar(255)NOT NULL,  
    Age int

UNIQUE (ID)  
);

CREATE TABLE Persons (  
    ID int NOT NULL,  
    LastName varchar(255) NOT NULL,,  
    FirstName varchar(255),  
    Age int,  
    PRIMARY KEY (ID)  
);

CREATE TABLE Orders (  
    OrderID int NOT NULL,,  
    OrderNumber int NOT NULL,  
    PersonID int,  
    PRIMARY KEY (OrderID),  
    FOREIGN KEY (PersonID) REFERENCES Persons(PersonID)  
);

CREATE TABLE Persons (  
    ID int NOT NULL,,  
    LastName varchar(255) NOT NULL,,  
    FirstName varchar(255),  
    Age int,   
    City varchar(255) DEFAULT 'Sandnes'  
);

ORDER BY EXAMPLES:

-->SELECT \* FROM Customers  
ORDER BY Country;