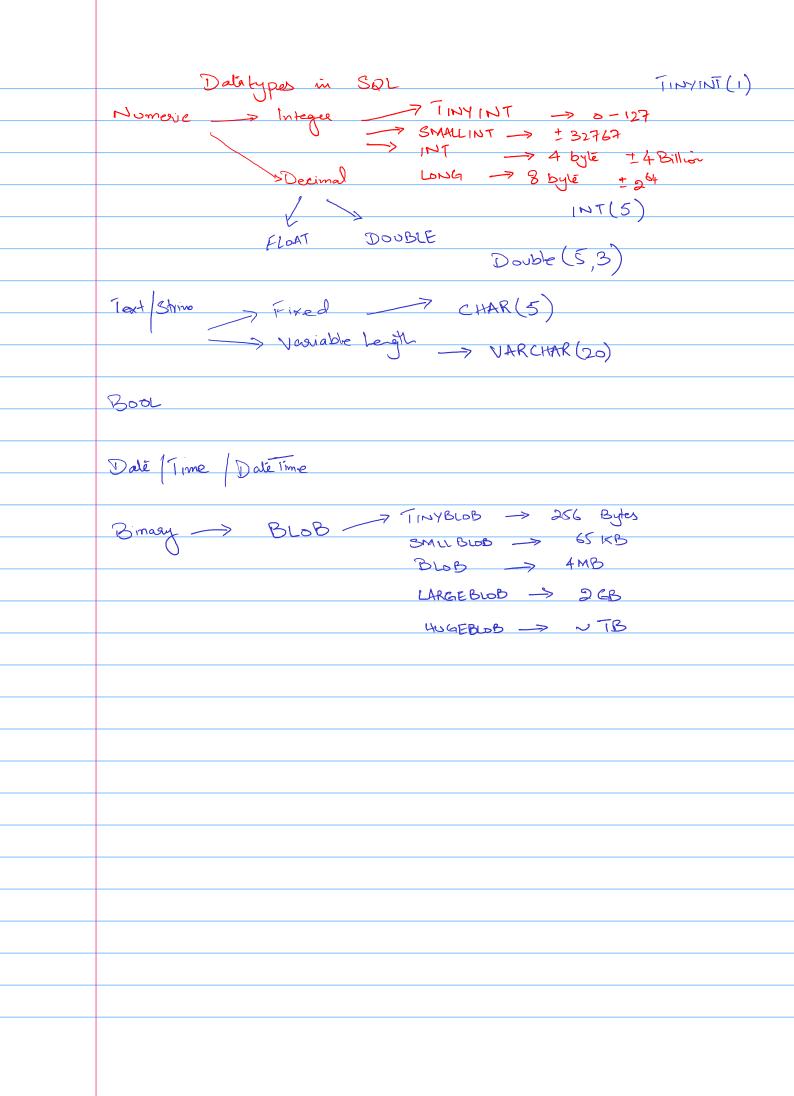
Structured Query Language Sequel / es greve et Microsoft-NCL IBM Sm Microsystems Oracle Sun Solaris DB2 Ovacle - Open Office - Java MS SQL Server -> Mysal MySQL Workberch Modialb Persona Apache, MySQL PHP Linux [L] AMP Stack Mac FMAX SQL DDi -> Data Defination Language

Plays with the structure of Dalá > 0 se gord c -> Alter DML > Data Manuplation Language plays with data in the database Back of & Recovery 17 Toursactions Charlepoints DCL -> Dala Control Language
plays with the dalabase managem



```
-- which databases are available
show databases;
-- create a new database
create database dbd11;
-- how to delete a database
drop database dbd11;
-- all future commands hould be executed against dbdll
use dbd11;
-- wheih tabels are available
show tables;
SHOW DATABaSeS; -- sql is not case sensitive
-- add a new table in the db
Create table Student
sid INT(5),
sName VARCHAR(20),
gpa FLOAT(3,2),
sex CHAR(1)
);
-- whats is the structure of table
describe Student;
-- discard the table and the data in the table
DROP table Student:
CREATE Table Student
(
  sid INT(5) NOT NULL UNIQUE,
  fName varchar(10),
   lName varchar(10).
   dob DATE.
   phone CHAR(11),
   gpa float(3,2) NOT NULL,
   Sex CHAR(1) DEFAULT 'M',
   PRIMARY KEY(SID)
);
```

Adding Data in the Table Insert into Student VALUES(1, 'Ali', 'Ahmad', NULL, '12345678901',
3.33, NULL);
Show the data in the table Select * from Student;
Add data in Sepcific Columns and different ordser Insert Into Student (SID, 1Name, fName, Phone, GPA, DOB) VALUES (2, 'Saleem', 'Farooq', '98765432101', 3.67, '2000-07-18');
(2, 541004, 741004, 75705,52101, 5107, 2000 07 10 7,
Adding multiple data
Insert Into Student (SID, 1Name, fName, Phone, GPA, DOB, Sex) VALUES (3, 'Ali', 'Fatima', '98765432101', 3.67, '2000-07-18', 'F'), (4, 'Hakeem', 'Abdul', '96385274109', 3.0, '2001-01-18', 'M'),
(5, 'Shakir', 'Parveen', '96385274109', 3.0, '2001-01-18', 'F');
7th Edition
er 161. Acres 1 and 1
Structure pg 164 Assign I part I Data pg 162 Submission Hdp pg 181 Wednesday 26th Apr 10:00 AM
Dala -> pg 162 \ Submission
Hdp -> pg 181 Wednesday 26th Apr
10: AM
select * from student where sex = 'F' AND sid < 4;

```
SELECT * FROM Customers;
SELECT * FROM Customers where COUNTRY = 'Germany';
SELECT * FROM Customers where COUNTRY = 'Germany' OR Country = 'France';
SELECT * FROM Products where Price = 20;
SELECT * FROM Orders where OrderDate = '1996-07-08';
SELECT * FROM Products where Price <= 18;
SELECT * FROM Products where Price >= 18 and Price <= 22;
SELECT * FROM Customers where Country = 'France' AND City = 'Paris';
SELECT * FROM Customers where Country != 'France';
SELECT * FROM Customers where Country ♦ 'Germany';
select * from Products where (price > 15 and price < 22)
                       or (supplierid <= 10 and supplierid > 5)
select CustomerID, CustomerName, City, Country from Customers;
select CustomerID, CustomerName, City, Country from Customers where Country = 'Germany'
select Country, CustomerID, CustomerName from Customers where
                       Country = 'France' and City = 'Paris';
select City, Country from Customers;
select distinct City, Country from Customers:
select CustomerID, ContactName as President, City, Country from Customers
Select * from Customers where Country > 'Sweden'
Select * from Customers where Country = 'France'
                        OR Country = 'Germany' OR country = 'Sweden';
Select * from Customers where Country IN ('France', 'Germany', 'Sweden');
Select * from Customers where Country NOT IN ('France', 'Germany', 'Sweden');
```

```
Select * from Products where price >= 10 AND price <= 15
Select * from Products where price BETWEEN 10 AND 15;
Select * from Products where price < 10 OR price > 15;
Select * from Products where price NOT BETWEEN 10 AND 15;
 Wildcards
         any 0 or more length string
        exactly 1 character
 Show customers whose name start with L
 Select * from Customers where ContactName LIKE 'L%';
 Show customers whose 2nd name start with L
 Select * from Customers where ContactName LIKE '% L%';
 Name end with n
 Select * from Customers where ContactName LIKE '%n';
 2nd laster letter is o
 Select * from Customers where ContactName LIKE '%o_';
 name contains 2 n
 Select * from Customers where ContactName LIKE '%n%n%';
Select * from Customers where ContactName NOT LIKE '%n%n%';
```

Select * from Customers where Country IS NULL	
Select * from Customers where Country IS NOT NULL	
	SSN
Find the ids of the Employees whose name start with 'J'	123456789
Select ssn from Employee where Fname LIKE 'J%';	987654321 453453453
Find the ids of the Employees who have a male Dependent	888665555
Select ESSN from Dependent where Sex = 'M';	ESSN
befeet Ebbly from Dependent where bex - m,	333445555 987654321
Find the Ids of the Employees whose name start with J or thay have a male dependent	
Select ssn from Employee where Fname LIKE 'J%'	
UNION	SSN
Select ESSN from Dependent where Sex = 'M';	123456789
•	987654321
	453453453 888665555
Union Compatibility	333445555
1. No of Columns/Attributes in the sets should be same	
2. Corrosponding pairs of colums/attributes should have sa	ame datatype / domain

Find the Ids of the Employees whose name start with J
and thay also have a male dependent
Select ssn from Employee where Fname LIKE 'J%'
INTERSECT
Select ESSN from Dependent where Sex = 'M';
MY SQL
Select ssn from Employee where Fname LIKE 'J%' AND SSN IN (Select ESSN from Dependent where Sex = 'M');
AND SON IN (Screet Essiv from Dependent where Sex - m),
Find the Ids of the Employees whose name start with J
but thay do not have a male dependent
Select ssn from Employee where Fname LIKE 'J%'
EXCEPT
Select ESSN from Dependent where Sex = 'M';
MY SQL
Select ssn from Employee where Fname LIKE 'J%'
AND SSN NOT IN (Select ESSN from Dependent where Sex = 'M');