**SQL**

**JACOB JOJY**

create database newdb;

use newdb ;

create table Employee(

EmpID INT Primary key,

Ename varchar(50) not null,

Enumb int(10)

);

describe Employee;

insert into Employee(Ename,Enumb) values('jkgsavlm',9988776655),('jjakshisa',1122336655);

select \* from Employee;

ALTER table Employee modify Enumb bigint(10);

alter table Employee add column Dob date;

alter table Employee modify EmpID int auto\_increment;

insert into Employee(Ename,Enumb,Dob) values('sanju',9889664455,'1999-05-20'),('rahul',155712355,'2006-10-20');

alter table Employee add column Dob date not null;

alter table Employee drop column Dob;

alter table Employee add column Location varchar(20) default 'Bangalore';

insert into Employee(Ename,Enumb,Dob,Location) values('Rohit',9955223366,'1998-02-12','kerala');

select \* from Employee where EmpID=5 or Location <> 'Bangalore';

select \* from Employee where EMPID=7;

SELECT \* FROM Employee GROUP BY Location;

SELECT \* FROM Employee GROUP BY Location HAVING Location= 'Bangalore';

SELECT COUNT(\*) FROM Employee GROUP BY Location;

SELECT COUNT(\*),Location FROM Employee GROUP BY Location HAVING COUNT(EmpID)>3;

SELECT COUNT(EmpID),Location FROM Employee HAVING COUNT(\*)>3;

SELECT COUNT(\*),Location FROM Employee GROUP BY Location ;

SELECT \* FROM Employee WHERE Location='Bangalore';

SELECT Location,COUNT(EmpID) FROM Employee GROUP BY Location HAVING COUNT(EmpID)>3 ORDER BY Location DESC;

SELECT \* FROM Employee WHERE EmpID BETWEEN 1 AND 5;

SELECT \* FROM Employee WHERE Dob BETWEEN '1999-01-01' AND '2002-12-31';

SELECT \* FROM Employee WHERE Location='Bangalore' AND EmpID IN(5,9,2,4,3);

SELECT \* FROM Employee WHERE EmpID IN(SELECT EmpID FROM Employee WHERE Location='Bangalore' AND EmpID BETWEEN 1 AND 10);

SELECT \* FROM Employee WHERE Ename LIKE '%a%';

SELECT \* FROM Employee WHERE Ename LIKE '%a%' OR Ename LIKE '%b%';

SELECT \* FROM Employee WHERE Ename LIKE 'j%' AND Ename LIKE '%m';

SELECT \* FROM Employee WHERE Ename LIKE 'j%m';

insert into Employee(Ename,Enumb,Dob,Location) values('J',9954427766,'1996-08-12','kerala');

SELECT \* FROM Employee WHERE Ename LIKE 'j\_%' ;

SELECT \* FROM Employee WHERE Ename LIKE '\_\_m';

CREATE TABLE SALARY(

SLNO INT (20)PRIMARY KEY AUTO\_INCREMENT,

EID INT (20)NOT NULL,

AMT FLOAT(6,2) NOT NULL,

SALARY\_DATE DATE default(current\_date())

);

DESCRIBE SALARY;

INSERT INTO SALARY(EID,AMT,SALARY\_DATE) values(1,5000,'2000-03-22');

INSERT INTO SALARY(EmpID,AMT,SALARY\_DATE) values(4,9000,'2000-11-12');

INSERT INTO SALARY(EID,AMT) values(65,9990);

ALTER TABLE SALARY RENAME COLUMN EID TO EmpID;

SELECT \* FROM SALARY;

SELECT \* FROM SALARY WHERE SALARY\_DATE < current\_date();

SELECT E.Ename FROM Employee AS E WHERE E.EmpID IN (SELECT S.EmpID FROM SALARY AS S WHERE S.SALARY\_DATE < current\_date());

SELECT E.Ename FROM Employee AS E WHERE E.EmpID IN (SELECT S.EmpID FROM SALARY AS S WHERE S.SALARY\_DATE < current\_date() AND AMT>6000);

SELECT E.Location, SUM(AMT) FROM Employee AS E, SALARY AS S WHERE E.EmpID = S.EmpID GROUP BY E.Location HAVING SUM(S.AMT)>9000;

TRUNCATE TABLE Employee;

insert into Employee(Ename,Enumb,Dob,Location) values('JAMES',9988776655,'1999-04-07','KERALA'),('SANJU',9922556655,'1999-06-07','KERALA'),('ABYSON',9983322885,'1999-09-15','BANGALORE'),('RUBIN',6633228877,'1999-01-30','BANGALORE');

TRUNCATE TABLE SALARY;

ALTER TABLE SALARY MODIFY AMT FLOAT(10,2) NOT NULL;

INSERT INTO SALARY(EmpID,AMT,SALARY\_DATE) values(2,5000,'2022-01-01'),(3,23000,'2022-01-01'),(4,6000,'2022-01-01');

SELECT \*FROM SALARY;

SELECT \* FROM EMPLOYEE;

SELECT E.ENAME,S.AMT FROM EMPLOYEE AS E, SALARY AS S WHERE E.EmpID=S.EmpID AND Dob LIKE '\_\_\_\_\_04';

/\*\*\*\*\*\*\*\*\*\*WORK\*\*\*\*\*\*\*\*\*\*/

SELECT E.ENAME, E.LOCATION, S.AMT FROM SALARY AS S, EMPLOYEE AS E WHERE E.EmpID=S.EmpID IN(SELECT S.EmpID FROM SALARY S GROUP BY E.Location HAVING S.AMT> AVG(S.AMT));