**210-create database in xampp**

**create database as my db then select utf8\_general\_ci then click go ----------------the selection support Arabic**

**creation with programming**

**create database MYDB2 DEFAULT CHARACTER SET utf8 DEFAULT COLLATE utf8\_general\_ci**

**DROP DATABASE mydb;----------------------to remove database**

**211-create table on my sql**

**in database which I created create table name then determine how many columns**

**then create then determine each column and determine which column is primary in null index**

**create table from programming**

**CREATE emp(COLUMN DATABASE);**

**212-create relation**

**make other table and add another column and must be the same type of the primary of the table I want to be relation with the index column**

**and then click more and tap on the designer then select create relation then it require reference key select primary column of the second table then require forigen key select the index column of the main table then select cascade on add and on delete**

**213-code relation table**

**design two tables with sql programming and write in the main table**

**CONSTRANT FORIGEN KEY(deptwork---------------column in the main table) REFERENCES dept (deptno)**

**214-insert into table**

**click on insert tab ------------or----------------------**

**INSERT INTO dept VALUES(1,’cs’);-------------INSERT INTO dept(dept no , deptname) VALUES (1,’cs’)**

**215-update table**

**UPDATE emp SET empname=’mina’ WHERE empno=2;**

**216-delete from table**

**DELETE emp WHERE empno=2;**

**217-select from table**

**#bdate type date**

**to insert bdate STR\_TO\_DATE(‘01/01/1984’,’%d/%m/%y’)**

**select empname from emp;------------to view all empname in emp table**

**select empno,empname,empsalary from emp;------------to view columns in table**

**select \* from emp-----------------to view all columns in emp table**

**select \* from emp order by empname;-----------to arrange empname ascending**

**select \* from emp order by empname asc;-----------to arrange empname ascending**

**select \* from emp order by empname desc;-----------to arrange empname descending**

**select empno as ‘number’ ,empname as ‘name’, empsalary as ‘salary’ from emp**

**select \*,empsalary+10 from emp**

**select \*,now() as ‘date&time’from emp;--------------to add column has current date&time**

**select curdate() as ‘date’ from emp;-----to add column has current date**

**select curtime() as ‘time’ from emp;-----to add column has current time**

**select \* from emp where empno=5------to view only empno=5**

**select \* from emp where empno in(1,2,5);----------view only empno=1,2.5**

**select \* from emp where empname like ‘mina hosam’-------find employee name=mina hosam only**

**select \* from emp where empname like ‘a%’---------------find any employee name started with a and then anything**

**select \* from emp where empname like ‘%ahmed%’----------------find any employee name started or middle or end contain ahmed**

**select \* from emp where empname like ‘\_a%’--------mean find employee first letter is not important and then contain a in second letter and then any thing**

**select \* from emp where empno like ‘%1%’----------mean find any employee no. contain 1**

**select \* from emp where empno between 5 and 15----------------mean get all employee no. started from 5 and end in 15**

**select \* from emp where empsalary >5000----------mean get all employee that their salary above 5000**

**select count(\*) from emp;----------mean get all employee in emp table**

**select sum(empsalary) from emp;-------------mean get the sum of empsalary in emp table**

**select max(empsalary) from emp;----------mean get the maximum salary in emp table**

**select min(empsalary) from emp;----------mean get the minimum salary in emp table**

**select avg(empsalary) from emp;---------mean get the average of salary**

**select \* from emp,dept;-----------get all employees in emp table and repeat all of them with dept table**

**select \* from emp,dept where deptwork=deptno;-----------get all employee with only dept. recorded in emp table**

**select deptname,count(empno) from dept,emp where deptwork=deptno group by deptname**

**group by يجمع على حسب**

**select deptname,count(empno) from dept,emp where deptwork=deptno group by deptname order by deptname;**

**select \* from emp in (select deptno from dept)**

**select concat(empname,’name’) from emp ------------make concatenation with string**

**select \* ,empsalary+(empsalary\*0.1) from emp;-----------------get salary with addition of 10%**

**create view empdata as select \* from emp,dept where deptwork=deptno----------save table in sql and u can get it directly**

**select \* from empdata;-------------get all data I saved in empdata**

**220-insert into from select**

**insert into select \* from tempemp where empno!=0**

**update tempemp set empno=0;**

**add tempemp table to emp table and set empno of tempemp=0**

**when add some users to tempemp and then add them to to the emp table it will add new user not users their empno=0**

**221-take&restore backup**

**take backup-----------------tab on export tab and then clickgo**

**restore backup-----------select import tab and choose fie then click go**

**222-take&restore backup table with code**

**select \* from emp into outfile ‘the directory of the file’;**

**load data infile ‘directory of the file’ into table emp;**