

Introduction to SQL Database

1. Create a Database using MyPHPAdmin called it (test_db)
2. Create a Table in your Database called it (Personal)

Personal Table

personID	firstName	lastName	city	phone
int not null	varchar(20) not null	varchar(20) not null,	varchar(30)	varchar(15)

As you will see in the video.

3. Filling the Table with Data using Insert into command

After that, the empty table can be filled with data with the **INSERT INTO** statement.

```
insert into personal values(1, 'Ben' , 'Storm' , 'Mexico', '0796324432');
```

```
insert into personal values( 2, 'Kate' , 'Moon' , 'Madrid', null);
```

```
insert into personal values( 3, 'Kim', 'Stone', 'Milan', "");
```

```
insert into personal values(4, 'Tom', 'Steven', 'Milan', '0796324444');
```

```
insert into personal (personID, city, firstName, lastName) values
```

```
(5, 'Algeria', 'Salma', 'Moon');
```

4. Querying, Updating and Deleting Records in MySQL

- A. **select * from personal;**
- B. **select firstName,lastName from personal where City LIKE 'm%';**
- C. **select * from personal WHERE lastName LIKE '%sto%';**
- D. **select * from personal WHERE lastName LIKE '__o%';**
- E. **select firstName,lastName from personal WHERE phone is null;**
- F. **select concat(firstName, ' ', lastName) as FullName from personal WHERE city in ('Milan', 'Jordan');**
- G. **select DISTINCT lastName from personal;**
- H. **select * from personal ORDER BY firstName;**
- I. **select * from personal ORDER BY firstName desc;**
- J. **update personal set phone = '0794442266' where personID = 2;**
- K. **delete from personal where firstName = 'Kim';**
- L. **SELECT * FROM St WHERE personID BETWEEN 2 AND 4;**

Home Work

Create table St (**ID** int not null, **Name** varchar(20) not null, Age int not null, **UNIQUE (ID)**);

insert into St values (1, 'Ben', 23);

insert into St values (3, 'Kate' , 40);

insert into St values (4, 'John' , 45);

insert into St values (5, 'Kate' , 30);

insert into St values (6, 'Kate' , 35);

insert into St values (7, 'Kate' , 20);

insert into St values (8, 'Kate' , 18);

insert into St values (9, 'Kate' , 14);

Try those instructions to retrieve data from the table.

- A. SELECT * FROM St WHERE Age BETWEEN 20 AND 35;**
- B. select DISTINCT Name from St;**