

Structured Query Language

Storage procedure is a set of SQL statement saved in a single comment for code reusability.

SQL(Structured Query Language) is not a programming language it's a query language.

is used to perform action on the records stored in the database, such as updating records, inserting records, deleting records, creating and modifying database tables, views, etc.

database means organised collection of structured information

sql comments

Create database

```
CREATE DATABASE databasename;
```

This comment are used to create database

Create table

```
create table tablename(  
  slno int not null,  
  column 1 varchar(50),  
  column 2 int,  
  column 3 varchar(50),  
  column 4 varchar(50),  
  primary key (slno),  
);
```

This comment are used to create table in database.

Insert

```
insert into mobiles (slno,mobilename,price, os,made)  
values(3,'vivo',15000,'andriod','india');
```

this comment are used to insert value in table.

Update

```
update mobiles  
set  
mobilename='oppo',price=140000,os='android',made='tai  
wan'  
where slno=2;
```

this comment are used to update values in table.

Delete

```
DELETE FROM mobiles  
WHERE Column name='data name';  
This comment are used to delete data
```

Select

```
select * from tablename  
this comment are used to select specific table.
```

Select specific data.

```
select * from tablename  
where column name = 'specific data name' ;  
this comment are used to select specific data in table.
```

Storage procedure

```
create procedure name  
as  
select * from tablename  
go
```

used to store all the data in specific name for reusability
of code

JOIN

join are used to combine two or more table with similar column name

there are four types

- **INNER JOIN**: give matching data in both tables
- **LEFT JOIN**: give all data from the left table, and the matched data from the right table
- **RIGHT JOIN**: give all data from the right table, and the matched data from the left table

Commend for join

```
select *  
from studentinfo inner join contactinfo on  
studentinfo.slno=contactinfo.slno
```

commend are same in all join if you want left join use command on left join or want right join use command on right join.