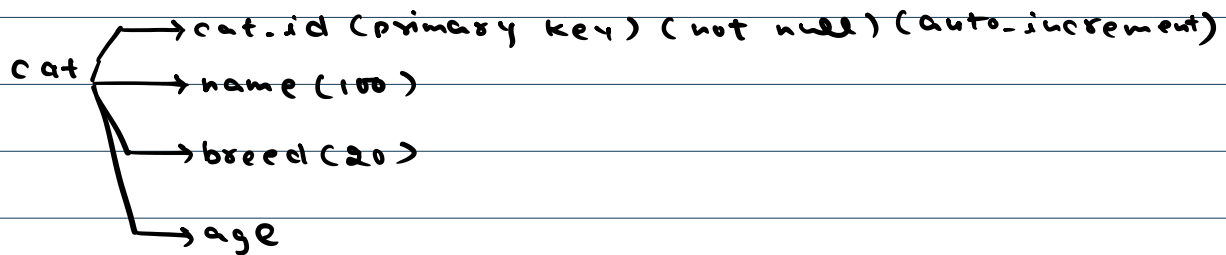


## CRUD operations

### create



Insert some data \*\*

### Read

where → filter on the basis of rows.

select \* from cats where name = 'Ringo';

select \* from cats where age > 10;

case  
Insensitive

cat_id	name	breed	age
4	Bruno	Golden Retreiver	3
5	Ringo	Tabby	4
6	Cindy	Maine Coon	10
7	Dumbledore	Maine Coon	11
8	Egg	Persian	4
9	Misty	Tabby	13
10	George Michael	Ragdoll	9
11	Jackson	Sphynx	7

### Update

```
update cats set breed = 'beagle' ;  
where breed = 'Sphynx' ;
```

name	age
Ringo	4
Misty	13

cat_id	name	breed	age
2	Cindy	Maine Coon	10
3	Bruno	Golden Retriever	3
4	Doraemon	loyal	7
5	Ringo	Tabby	4
7	Dumbledore	Maine Coon	11
8	Egg	Persian	4
9	Misty	Tabby	13
10	George Michael	Ragdoll	9
11	Doraemon	loyal	7
12	Bruno	Golden Retriever	3

## Delete

it deletes only the data not the  
actual table

delete from cats; → delete entire data of the table

delete from cats where name = 'Bruno' ;

## String fn

How to execute .sql file queries directly?

source <file-path>.sql;

→ Run this command on terminal.

→ concat, concat\_ws, reverse, replace, substring, char-length, upper/lower case.

concat

```
select concat (author_fname, ' ', author_lname)
from books;
```

concat\_ws

```
select concat (title, '-', author_fname, '-', author_lname)
from books;
```

substring/substr

akrsh → aka, ars, rsh, kar, ~~ksh~~, ~~ar~~

→ {contiguous part of string}

substring ("Hello world", 1, 4) ⇒ Hell

start  
index

length  
(optional)  
(default 4)

SQL → String → Index starts from 1

length of  
the string