#DDL

# CREATE

CREATE DATABASE name\_of\_db;

CREATE TABLE < table name > (

column1 < type >,

column2 < type >,

.

.

.

);

CREATE TABLE person (

person\_id INT NOT NULL AUTO\_INCREMENT,

first\_name VARCHAR(100) NOT NULL,

last\_name VARCHAR(100) NOT NULL,

age INT,

PRIMARY KEY(person\_id)

);

# ALTER

ALTER TABLE person

ADD email varchar(255);

# DROP

DROP TABLE person;

#DML

#INSERT

INSERT INTO person (first\_name, last\_name, age)

VALUES ('Jane', 'Bloggs', 32)

INSERT INTO person (first\_name, last\_name, age)

VALUES ('Joe', 'Bloggs', 28)

OR

INSERT INTO person (first\_name, last\_name, age)

VALUES ('Jane', 'Bloggs', 32),

('Joe', 'Bloggs', 28)

# UPDATE

UPDATE person SET age = 25 WHERE first\_name = 'Joe'

#DELETE

DELETE FROM person WHERE first\_name = 'Joe'

#SELECT

SELECT ...

FROM ...

WHERE ...

ORDER BY ...

LIMIT ...

SELECT first\_name, last\_name, age

FROM person;

SELECT \*

FROM person;

SELECT \* FROM person

WHERE first\_name = "Mike"

AND (surname = "Goddard" OR age >= 28);

SELECT \*

FROM person

WHERE age = 25

ORDER BY first\_name DESC

LIMIT 10

#PRIMARY KEY

CREATE TABLE person (

person\_id INT NOT NULL AUTO\_INCREMENT,

PRIMARY KEY(person\_id)

);

#FOREIGN KEY

CREATE TABLE contact\_info(

id INT NOT NULL AUTO\_INCREMENT,

person\_id INT,

phone VARCHAR(15),

email VARCHAR(100),

PRIMARY KEY(id),

FOREIGN KEY(person\_id) REFERENCES person(person\_id)

);