# Table - Person

1.

CREATE TABLE person (

id SERIAL PRIMARY KEY,

name VARCHAR(20),

age INTEGER,

height INTEGER,

city VARCHAR(20),

favorite\_color VARCHAR(10)

)

3.

INSERT INTO person (name, age, height, city, favorite\_color)

VALUES

('Harry Potter', 11, 55, 'Hogwarts', 'red'),

('Walter White', 50, 72, 'Albuquerque', 'green'),

('Bruce Wayne', 28, 74, 'Gotham City', 'black'),

('Tony Stark', 40, 71, 'New York', 'red'),

('Samwise Gamgee', 39, 46, 'Hobbiton', 'green')

5.

SELECT \* FROM person ORDER BY height DESC

6.

SELECT \* FROM person ORDER BY height ASC

7.

SELECT \* FROM person ORDER BY age DESC

8.

SELECT \* FROM person WHERE age > 20

9.

SELECT \* FROM person WHERE age = 18

10.

SELECT \* FROM person WHERE age < 20 OR age > 30

11.

SELECT \* FROM person WHERE age != 27

12.

SELECT \* FROM person WHERE favorite\_color != 'red'

13.

SELECT \* FROM person WHERE favorite\_color != 'red' AND favorite\_color != 'blue'

14.

SELECT \* FROM person WHERE favorite\_color = 'orange' OR favorite\_color = 'green'

15.

SELECT \* FROM person WHERE favorite\_color IN ('orange', 'green', 'blue')

16.

SELECT \* FROM person WHERE favorite\_color IN ('yellow', 'purple')

# Table – Orders

1.

CREATE TABLE orders (

order\_id SERIAL PRIMARY KEY,

person\_id INTEGER,

product\_name VARCHAR(50),

product\_price NUMERIC,

quantity INTEGER

)

2.

INSERT INTO orders (person\_id, product\_name, product\_price, quantity) VALUES

(301616, 'PlayStation 5', 541325.25, 1),

(1543, 'NVIDIA RTX Raytracing 3090x', 12315457.99, 420)

(301616, 'X-Box Series X', 399.99, 7),

(1543, 'AMD Teleportings CPU 9000x with Raytracing', 79999.99, 15),

(4, 'Bat Plane', 20042.36, 1),

(1, 'Elder Wand', 1.00, 1)

5.

SELECT \* FROM orders

6.

SELECT SUM(quantity) FROM orders

7.

SELECT SUM(product\_price\*quantity) FROM orders

8.

SELECT SUM(product\_price\*quantity) FROM orders WHERE person\_id = 1543

# Table – Artist

1.

INSERT INTO artist (name) VALUES

('Billie Eilish'),

('T Swizzle'),

('Katy Perry')

2.

SELECT \* FROM artist ORDER BY name DESC LIMIT 10

3.

SELECT \* FROM artist ORDER BY name ASC LIMIT 5

4.

SELECT \* FROM artist WHERE name LIKE 'Black%'

5.

SELECT \* FROM artist WHERE name LIKE '%Black%'

# Table – Employee

1.

SELECT first\_name, last\_name FROM employee WHERE city LIKE 'Calgary'

2.

SELECT birth\_date FROM employee ORDER BY birth\_date DESC LIMIT 1

3.

SELECT birth\_date FROM employee ORDER BY birth\_date ASC LIMIT 1

4.

SELECT \* FROM employee WHERE reports\_to = 2

5.

SELECT COUNT(\*) FROM employee WHERE city LIKE 'Lethbridge'

# Table – Invoice

1.

SELECT COUNT(\*) FROM invoice WHERE billing\_country LIKE 'USA';

2.

SELECT TOTAL FROM invoice ORDER BY total DESC LIMIT 1;

3.

SELECT TOTAL FROM invoice ORDER BY total ASC LIMIT 1;

4.

SELECT \* FROM invoice WHERE total > 5;

5.

SELECT COUNT(\*) FROM invoice WHERE total < 5;

6.

SELECT COUNT(\*) FROM invoice WHERE billing\_state IN ('CA', 'TX', 'AZ');

7.

SELECT AVG(total) FROM invoice;

8.

SELECT SUM(total) FROM invoice;

9.

UPDATE invoice SET total = 24 WHERE invoice\_id = 5;

10.

DELETE FROM invoice WHERE invoice\_id = 1;