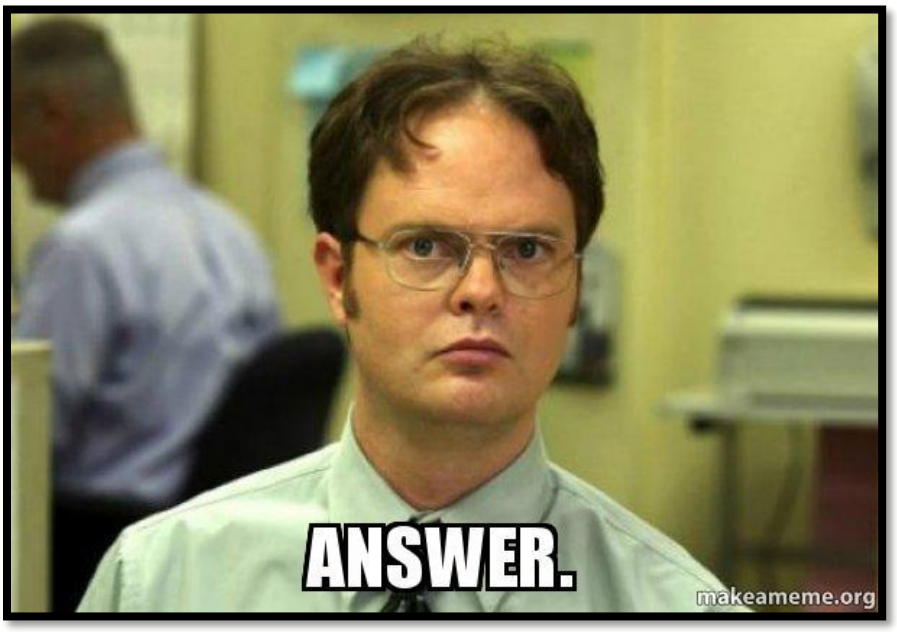
Link to the course:

https://www.mikedane.com/



Well, there you go!

```
select * from employee;

SELECT * FROM Client;

-- Find all employees ordered by salary

SELECT * FROM employee
ORDER BY salary DESC;

-- Find all employees ordered by sex then name

SELECT * FROM employee
ORDER BY sex DESC, first_name ASC;

-- Find the first 5 employees in the table

SELECT * FROM employee
LIMIT 5;

-- Find the first and last names of all employees
```

```sql
SELECT first_name, last_name FROM employee;

SELECT first_name AS Forename, last_name AS Surname FROM employee;

-- Find out all the different genders

SELECT DISTINCT sex FROM employee;

-- Find all male employees

SELECT * FROM employee
WHERE sex = 'M';

-- Find all employees at branch 2

SELECT * FROM employee
WHERE branch_id = 2;

-- Find all employee's id's and names who were born after 1969

SELECT emp_id, first_name, last_name, birth_date FROM employee
WHERE birth_date >= '1970-01-01';

-- Find all female employees at branch 2

SELECT * FROM employee
WHERE sex = 'F' AND branch_id = 2;

-- Find all employees who are female & born after 1969 or who make over 80000

SELECT * FROM employee
WHERE (sex = 'F' AND birth_date >= '1970-01-01') OR salary > 80000;

SELECT *
FROM employee
WHERE (birth_date >= '1970-01-01' AND sex = 'F') OR salary > 80000;

-- Find all employees born between 1970 and 1975

SELECT * FROM employee
WHERE birth_date BETWEEN '1970-01-01' AND '1975-01-01';

-- Find all employees named Jim, Michael, Johnny or David

SELECT * FROM employee
WHERE first_name IN('Jim', 'Michel', 'David');

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SELECT COUNT(sex) from employee;
```

```sql
SELECT COUNT(emp_id) FROM employee
WHERE sex = 'F' AND birth_date > '1970-12-12';

SELECT AVG(salary) FROM employee
WHERE first_name NOT IN('David','Jan') AND sex = 'M';

SELECT AVG(salary) FROM employee
WHERE first_name NOT IN('David', 'Jan') AND sex = 'F';

SELECT SUM(salary) FROM employee
WHERE first_name NOT IN('Dwight');

SELECT COUNT(SEX) AS 'Number Of People', SEX FROM employee
GROUP BY sex
ORDER BY sex DESC;

SELECT SUM(total_sales), emp_id FROM Works_With
GROUP BY emp_id
ORDER BY total_sales DESC;


SELECT * FROM Works_With;

SELECT SUM(total_sales), client_id FROM Works_With
GROUP BY client_id
ORDER BY sum(total_sales) DESC;

-- Find any client's who are an LLC

SELECT client_name FROM Client
WHERE client_name LIKE '%LLC';

-- Find any branch suppliers who are in the label business

SELECT supplier_name FROM Branch_Supplier;

Update Branch_Supplier
SET supplier_name = 'Stamford Labels'
WHERE supplier_name = 'Stamford Lables';

SELECT supplier_name FROM Branch_Supplier
WHERE supplier_name LIKE '%Label%';

-- Find any employee born on the 10th day of the month

SELECT first_name, last_name, birth_date FROM employee
WHERE birth_date LIKE '____-__-1%';

-- Find any clients who are schools

SELECT client_name FROM Client
WHERE client_name LIKE '%SCHOOL%';
```

```sql
SELECT client_name AS 'client and branch suppliers' FROM Client
UNION
SELECT supplier_name FROM Branch_Supplier;

SELECT salary AS 'Salary and Earnings' from employee
UNION
SELECT total_sales FROM Works_With;

SELECT e.first_name as manager_first_name, e.last_name as manager_last_name, branch.branch_id,
 branch.branch_name
from employee as e
join branch
on e.emp_id = branch.mgr_id;



-- Find names of all employees who have sold over 50,000

SELECT e.first_name, e.last_name, e.emp_id
from employee
as e
where e.emp_id IN(
    SELECT w.emp_id from Works_With as w
    where total_sales > 50000
);

-- Find all clients who are handles by the branch that Michael Scott manages
-- Assume you know Michael's ID
-- Find the names of employees who work with clients handled by the scranton branch

SELECT e.first_name, e.last_name from employee as e
where  e.emp_id IN(

    SELECT w.emp_id from Works_With as w
    where client_id IN(
        SELECT /* c.client_name as 'Scranton Branch Clients',*/ c.client_id
        FROM Client as c
        WHERE c.branch_id IN(
            SELECT b.branch_id from branch as b
            where b.mgr_id  = 102
        )

    )
);


-- Find the names of all clients who have spent more than 100,000 dollars

SELECT w.client_id from Works_With as w
where sum(w.total_sales) > 100000
group by client_id;


select * from works_with;
```

```sql
SELECT SUM(works_with.total_sales) AS totals, client_id
FROM works_with
GROUP BY client_id AS total_client_sales
WHERE totals > 100000;


SELECT client_name as Big_spender FROM client
WHERE client_id IN(
    SELECT client_id
    From (
        SELECT sum(w.total_sales) as client_sum, w.client_id from works_with as w
        group by w.client_id) AS  total_sales
    WHERE client_sum > 100000
);
```

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