

Taylor Johnson

#1

```
SELECT ed.RoutingNumber, ed.AccountNumber, (ed.AmountPercentage * e.salary) AS amount
FROM Employee_Deposit ed
INNER JOIN Employee e
ON e.employeeID = ed.employeeID;
```

#2

```
SELECT c.firstName, c.lastName, ce.address, ce.type, cp.number, cp.type
FROM Client c
INNER JOIN Client_Email ce
ON c.clientID = ce.clientID
INNER JOIN Client_Phone cp
ON c.clientID = cp.clientID;
```

#3

```
SELECT e.firstname, e.lastname, e.title
FROM employee e
INNER JOIN employee_project ep
ON e.employeeID = ep.employeeID
INNER JOIN project p
ON ep.projectID = p.projectID
WHERE p.title = "Legbook";
```

#4

```
SELECT c.firstName, c.lastName, cb.name AS Business
FROM client c
INNER JOIN client_business cb
ON c.clientID = cb.clientID;
```

#5

```
SELECT e.firstName, e.lastName, cl.table, cl.type, cl.description
FROM change_log cl
INNER JOIN employee e
ON cl.employeeID = e.employeeID
GROUP BY cl.employeeID
HAVING count(cl.employeeID) <= 2;
```

Linear Algebra for #3 and #4

$\Pi c.firstName, e.lastName, e.title ($

$\sigma e.employeeID = ep.employeeID \wedge ep.projectID = p.projectID \wedge p.title = "Legbook" ($

$P_e(employee) \times P_{ep}(employee_project) \times P_p(Project)))$

$\Pi c.firstName, c.lastName, cb.name^{(Business)} ($

$\sigma c.clientID = cb.clientID ($

$P_c(client) \times P_{cb}(client_business)))$