

```
-- Departman tablosu oluşturuldu
CREATE TABLE Departments (
    DepartmentID INT PRIMARY KEY,
    DepartmentName VARCHAR(50) NOT NULL
);
```

```
-- Departman tablosunun içine örnek veriler kaydedildi
INSERT INTO Departments (DepartmentID, DepartmentName) VALUES
(1, 'IT'),
(2, 'HR'),
(3, 'Finance');
```

departments_rows

departmentid	departmentname
1	IT
2	HR
3	Finance

```
-- Çalışanlar tablosu oluşturuldu
CREATE TABLE Employees (
    EmployeeID INT PRIMARY KEY,
    FirstName VARCHAR(50) NOT NULL,
    LastName VARCHAR(50) NOT NULL,
    Age INT,
    DepartmentID INT,
    Salary DECIMAL(10,2),
    JoinDate DATE,
    FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
);
```

```
-- Çalışanlar tablosuna örnek veriler kaydedildi
INSERT INTO Employees (EmployeeID, FirstName, LastName, Age, DepartmentID, Salary, JoinDate) VALUES
(1, 'John', 'Doe', 30, 1, 55000, '2020-01-15'),
(2, 'Jane', 'Smith', 45, 2, 65000, '2018-07-20'),
(3, 'Sam', 'Brown', 28, 1, 52000, '2021-04-25'),
(4, 'Lisa', 'White', 35, 3, 70000, '2019-03-18'),
(5, 'Mark', 'Black', 50, 1, 75000, '2015-11-05'),
(6, 'Lucy', 'Green', 40, 2, 60000, '2017-10-10');
```

employees_rows

employeeid	firstname	lastname	age	departmentid	salary	joindate
1	John	Doe	30	1	55000.00	2020-01-15
2	Jane	Smith	45	2	65000.00	2018-07-20
3	Sam	Brown	28	1	52000.00	2021-04-25
4	Lisa	White	35	3	70000.00	2019-03-18
5	Mark	Black	50	1	75000.00	2015-11-05
6	Lucy	Green	40	2	60000.00	2017-10-10

/* select komutu ile employee tablosunda bulunan çalışanların yalnızca isimleri, soyisimleri ve maaş bilgilerinin bulunduğu sütunlardaki bilgiler çekilir */

```
select firstname, lastname, salary
from employees;
```

The image shows a Supabase Snippet interface. At the top, there are tabs labeled A, B, and C. Below the tabs, the title "Supabase Snippet" is displayed. The main area contains a table with the following data:

	firstname	lastname	salary
1	John	Doe	55000.00
2	Jane	Smith	65000.00
3	Sam	Brown	52000.00
4	Lisa	White	70000.00
5	Mark	Black	75000.00
6	Lucy	Green	60000.00

On the left side of the table, there is a vertical list of numbers 1 through 7. On the right side, there are small square icons next to the salary values for rows 4, 6, and 7. At the bottom left, there is a green equals sign icon.

/* select distinct komutu ile departments tablosunda bulunan her bir departmanın ismi bir adet olacak şekilde çekilir. Böylece tekrarların önüne geçilmiş olur */

```
select distinct departmentname
from departments;
```

Supabase

departmentname
Finance
IT
HR

/* where komutu ile employee tablosunda departman numarası 1 olan yani IT departmanında çalışan kişilerin select komutu ile isim ve soyisim bilgileri çekilir */

```
select firstname, lastname  
from employees  
where departmentid = 1;
```

Supabase Snippet

firstname	lastname
John	Doe
Sam	Brown
Mark	Black

/* employees tablosundaki bütün sütunlar çekilir ancak tek şart maaşlar sütunun çoktan aza doğru sıralanmasıdır. Yani maaşlar rastgele değil çoktan aza doğru sıralanır */

```
select *  
from employees  
order by salary desc;
```

employeeid	firstname	lastname	age	departmentid	salary	joindate
5	Mark	Black	50	1	75000.00	2015-11-05
4	Lisa	White	35	3	70000.00	2019-03-18
2	Jane	Smith	45	2	65000.00	2018-07-20
6	Lucy	Green	40	2	60000.00	2017-10-10
1	John	Doe	30	1	55000.00	2020-01-15
3	Sam	Brown	28	1	52000.00	2021-04-25

```
SELECT FirstName, LastName, CONCAT(FirstName, ' ', LastName) AS FullName  
FROM Employees;
```

firstname	lastname	fullname
John	Doe	John Doe
Jane	Smith	Jane Smith
Sam	Brown	Sam Brown
Lisa	White	Lisa White
Mark	Black	Mark Black
Lucy	Green	Lucy Green