

# Dana Almdani

1 - What Employees have a last name that begins with the letter 'T' and what is their Title?

```
SELECT LAST_NAME FROM employee WHERE LAST_NAME LIKE 'T%';
```

2 - What is the Maximum, minimum, and average value of the Available Balances in the accounts?

```
SELECT MIN(avail_balance) as minimum_balance ,MAX(avail_balance) as max_balance,  
AVG(avail_balance) as average_balance FROM account;
```

3 -What is the oldest and newest accounts for this bank?

```
Select * from account where open_date = (select open_date from account order by open_date asc limit  
1) or
```

```
open_date = (select open_date from account order by open_date desc limit 1) group by open_date;
```

4- How many employees work for each Department?

```
SELECT DEPT_ID, COUNT(*) FROM employee GROUP BY DEPT_ID;
```

5-Which employees are supervisors?

```
Select employee.* from employee join employee as superior on employee .SUPERIOR_EMP_ID=  
superior.EMP_ID order by employee.DEPT_ID asc
```

6- Write an SQL Script to add a new table to this Schema for business addresses with a one to many relationship with the business table.

You do not need to enter data into this table. Copy script to answer sheet. Add whatever fields you want for this table.

```
CREATE TABLE addresses(
```

```
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
```

```
country VARCHAR(30) DEFAULT NULL,  
street_address VARCHAR(50) DEFAULT NULL,  
    CUS_ID int,  
    FOREIGN KEY (CUS_ID) REFERENCES business(CUS_ID)  
);
```

7-This business wants to change the title "Tellers" to "Bank Service Reps". Write an SQL Script to update this table

```
Update employee set TITLE = "Bank Service Reps" where Title = "Teller";
```