

CS333

S5 Semester

Application Software Development Lab (ASDL)

Github : [ceccs18c59/cs331:Application Software Development Lab \(github.com\)](https://github.com/ceccs18c59/cs331:Application-Software-Development-Lab)

Experiment 9

Order by and Group by clause.

SQL Query

```
USE cs333;
```

```
CREATE TABLE Employee(  
    code VARCHAR(5) PRIMARY KEY,  
    name VARCHAR(15),  
    dob date,  
    designation VARCHAR(30),  
    salary FLOAT);
```

```
INSERT INTO Employee VALUES  
( 'e1', 'Wayne', '1990-11-07', 'General Manager', 80000),  
( 'e2', 'Scott', '1994-04-12', 'Assistant Manager', 50000),  
( 'e3', 'Ashley', '1994-07-17', 'Clerk', 15000),  
( 'e4', 'Parker', '1995-01-12', 'Clerk', 15000);
```

```
SELECT * FROM Employee ORDER BY name DESC;
```

```
CREATE TABLE Deposit(  
    baccno BIGINT,  
    branch_name VARCHAR(30),  
    amount FLOAT);
```

```
INSERT INTO Deposit VALUES  
(091000019, 'Manchester', 290000.25),  
(011401533, 'Cheshire', 150000),  
(021000021, 'Manchester', 500000),  
(011407654, 'Yorkshire', 250000.50),  
(011401576, 'Yorkshire', 100000);
```

```
SELECT branch_name, COUNT(baccno), SUM(amount) FROM Deposit GROUP BY branch_name;
```

Result

```
Windows PowerShell
mysql> USE cs333;
Database changed
mysql> CREATE TABLE Employee(
  → code VARCHAR(5) PRIMARY KEY,
  → name VARCHAR(15),
  → dob date,
  → designation VARCHAR(30),
  → salary FLOAT);
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO Employee VALUES
  → ('e1','Wayne','1990-11-07','General Manager',80000),
  → ('e2','Scott','1994-04-12','Assistant Manager',50000),
  → ('e3','Ashley','1994-07-17','Clerk',15000),
  → ('e4','Parker','1995-01-12','Clerk',15000);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM Employee ORDER BY name DESC;
+-----+-----+-----+-----+-----+
| code | name  | dob   | designation | salary |
+-----+-----+-----+-----+-----+
| e1   | Wayne | 1990-11-07 | General Manager | 80000 |
| e2   | Scott | 1994-04-12 | Assistant Manager | 50000 |
| e4   | Parker | 1995-01-12 | Clerk          | 15000 |
| e3   | Ashley | 1994-07-17 | Clerk          | 15000 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
Windows PowerShell
4 rows in set (0.00 sec)

mysql> CREATE TABLE Deposit(
  → baccno BIGINT,
  → branch_name VARCHAR(30),
  → amount FLOAT);
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO Deposit VALUES
  → (091000019,'Manchester',290000.25),
  → (011401533,'Cheshire',150000),
  → (021000021,'Manchester',500000),
  → (011407654,'Yorkshire',250000.50),
  → (011401576,'Yorkshire',100000);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT branch_name,COUNT(baccno),SUM(amount) FROM Deposit GROUP BY branch_name;
+-----+-----+-----+
| branch_name | COUNT(baccno) | SUM(amount) |
+-----+-----+-----+
| Manchester  | 2             | 790000.25   |
| Cheshire    | 1             | 150000       |
| Yorkshire   | 2             | 350000.5    |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```