

David Smith
STAT 4260
Assignment 5

1.

```
SELECT FIRST_NAME, LAST_NAME, HIRE_DATE  
FROM employees  
WHERE HIRE_DATE LIKE '%07%';
```

2.

```
SELECT LAST_DAY(DATE_ADD(CURRENT_DATE(), INTERVAL -3 MONTH));
```

3.

```
SELECT JOB_ID, GROUP_CONCAT(EMPLOYEE_ID) EmployeesID  
FROM employees  
GROUP BY JOB_ID;
```

4.

```
SELECT JOB_ID, SUM(SALARY), MAX(SALARY), MIN(SALARY), AVG(SALARY)  
FROM employees  
WHERE DEPARTMENT_ID = 90  
GROUP BY JOB_ID;
```

5.

```
SELECT DATE_FORMAT(CURRENT_DATE(), '%m/%d/%Y');
```

6.

```
SELECT JOB_ID, MAX(SALARY)  
FROM employees  
GROUP BY JOB_ID  
HAVING MAX(SALARY) >= 4000;
```

7.

```
SELECT JOB_ID, AVG(SALARY)  
FROM employees  
GROUP BY JOB_ID, DEPARTMENT_ID  
HAVING COUNT(DEPARTMENT_ID) > 10;
```

8.

```
SELECT JOB_ID, AVG(SALARY)
FROM employees
WHERE JOB_ID != 'IT_PROG'
GROUP BY JOB_ID;
```

9.

```
SELECT DEPARTMENT_ID, SUM(SALARY)
FROM employees
GROUP BY DEPARTMENT_ID;
```

10.

```
SELECT MANAGER_ID, MIN(SALARY)
FROM employees
GROUP BY MANAGER_ID
ORDER BY MIN(SALARY) DESC;
```

11.

```
SELECT JOB_ID, COUNT(*)
FROM employees
GROUP BY JOB_ID;
```

12.

```
SELECT FIRST_NAME, LAST_NAME,
FLOOR(DATEDIFF(CURRENT_DATE(), HIRE_DATE) / 365) Experience
FROM employees;
```

13.

```
SELECT HIRE_DATE
FROM employees
WHERE DAYNAME(HIRE_DATE) = 'Monday';
```

14.

```
SELECT FIRST_NAME, LAST_NAME,
FLOOR(DATEDIFF(CURRENT_DATE(), HIRE_DATE) / 365) Experience
FROM employees;
```

15.

```
SELECT DATE_FORMAT(CURRENT_TIMESTAMP(), '%h:%i %p %b %e, %Y');
```

16.

```
SELECT FIRST_NAME, LAST_NAME  
FROM employees  
WHERE MONTH(HIRE_DATE) = 6;
```

17.

```
SELECT YEAR(HIRE_DATE)  
FROM employees  
GROUP BY YEAR(HIRE_DATE)  
HAVING COUNT(*) > 10;
```

18.

```
SELECT a.DEPARTMENT_ID, CONCAT(b.FIRST_NAME, ' ', b.LAST_NAME) name,  
b.SALARY  
FROM employees a INNER JOIN employees b  
ON a.MANAGER_ID = b.EMPLOYEE_ID  
WHERE b.HIRE_DATE < '1987-08-01';
```

19.

```
SELECT DEPARTMENT_ID, YEAR(HIRE_DATE), COUNT(*)  
FROM employees  
GROUP BY DEPARTMENT_ID, YEAR(HIRE_DATE)  
ORDER BY DEPARTMENT_ID;
```