# Lab Assignment No-02

| Roll No. 50 | Name: Amey Thakur |
|---|---|
| Class: TE-Comps B | Batch: B3 |
| Date of Experiment: 21/07/2020 | Date of Submission: 24/11/2020 |
| Grade : | |

1. Create a query to display the last_name, department_id of all employees whose salary is greater than $7000.

```
1   SELECT LAST_NAME, SALARY
2   FROM EMPLOYEES
3   WHERE SALARY > 7000;
```

| LAST_NAME | SALARY |
|---|---|
| king | 24000 |
| Kochhar | 17000 |
| De Haan | 17000 |
| Hunold | 9000 |
| Lorentz | 42000 |
| Zlotkey | 10500 |
| Abel | 11000 |
| Taylor | 8600 |
| Grant | 7040 |
| Hartstein | 13000 |
| Higgins | 12000 |
| Gietz | 8300 |

Download CSV
12 rows selected.

2. Create a query to display the last_name and salary for all employees whose salary is not in the range of $5,000 and $12,000. Order the output in descending order by last_name.

```
1   SELECT LAST_NAME, SALARY
2   FROM EMPLOYEES
3   WHERE SALARY NOT BETWEEN 5000 AND 12000
4   ORDER BY LAST_NAME DESC;
```

| LAST_NAME | SALARY |
|---|---|
| king | 24000 |
| Whalen | 4400 |
| Vargas | 2500 |
| Rajs | 3500 |
| Matos | 2600 |
| Lorentz | 42000 |
| Kochhar | 17000 |
| Hartstein | 13000 |
| De Haan | 17000 |
| Davies | 3100 |

Download CSV
10 rows selected.

3. Display the last_name and department number of all employees in departments 20 and 50 in alphabetical order by name. (Make use of the IN clause.)

```
1   SELECT LAST_NAME, DEPARTMENT_ID
2   FROM EMPLOYEES
3   WHERE DEPARTMENT_ID IN (20,50)
4   ORDER BY LAST_NAME;
```

| LAST_NAME | DEPARTMENT_ID |
|---|---|
| Davies | 50 |
| Fay | 20 |
| Hartstein | 20 |
| Matos | 50 |
| Mourgos | 50 |
| Rajs | 50 |
| Vargas | 50 |

Download CSV
7 rows selected.

4. Display the last_name, salary, and commission for all employees who earn commissions.

```
1  SELECT LAST_NAME, SALARY, COMMISSION_PCT
2  FROM EMPLOYEES
3  WHERE COMMISSION_PCT IS NOT NULL
4  ORDER BY SALARY, COMMISSION_PCT
```

| LAST_NAME | SALARY | COMMISSION_PCT |
|---|---|---|
| Grant | 7040 | .15 |
| Taylor | 8600 | .2 |
| Zlotkey | 10500 | .2 |
| Abel | 11000 | .3 |

Download CSV
4 rows selected.

5. Display the last name, job, and salary for all employees whose job is Sales Representative(SA_REP)  or Stock Clerk (ST_CLERK) and whose salary is not equal to $2, 500, $3,500, or $7,000. Make use of the IN clause.

```
1  SELECT LAST_NAME, JOB_id, SALARY
2  FROM EMPLOYEES
3  WHERE (JOB_ID='SA_REP' OR JOB_ID='ST_CLERK') AND SALARY NOT IN(2500,3500,7000);
```

| LAST_NAME | JOB_ID | SALARY |
|---|---|---|
| Davies | ST_CLERK | 3100 |
| Matos | ST_CLERK | 2600 |
| Abel | SA_REP | 11000 |
| Taylor | SA_REP | 8600 |
| Grant | SA_REP | 7040 |

Download CSV
5 rows selected.

6. Write a query that displays the employee's last names with the first letter capitalized and all other letters lowercase, and length of the names, for all employees whose name starts with J, A, or M.

```
1   SELECT INITCAP(LAST_NAME),LENGTH(LAST_NAME)
2   FROM EMPLOYEES
3   WHERE LAST_NAME LIKE 'A%' OR LAST_NAME LIKE 'J%' OR LAST_NAME LIKE 'M%';
```

| INITCAP(LAST_NAME) | LENGTH(LAST_NAME) |
|---|---|
| Mourgos | 7 |
| Matos | 5 |
| Abel | 4 |

Download CSV
3 rows selected.