ASSIGNMENT 1

1. Show the structure of the `EMPLOYEES` table. Create a query to display the last name, job code, hire date, and employee number for each employee, with employee number appearing first.
2. Create a query to display unique job codes from the `EMPLOYEES` table.
3. Create a query to display the column headings in EMPLOYEES table as :
   `Emp #`, `Employee`, `Job`, and `Hire Date`, respectively.
4. Display the last name concatenated with the job ID, separated by a comma and space, and name the column `Employee and Title`.

Employee and Title
King, AD_PRES
Kochhar, AD_VP
De Haan, AD_VP
Hunold, IT_PROG
Ernst, IT_PROG
Lorentz, IT_PROG
Mourgos, ST_MAN
Rajs, ST_CLERK
Davies, ST_CLERK

5. Create a query to display all the data from the `EMPLOYEES` table. Separate each column by a comma. Name the column `THE_OUTPUT`.

THE_OUTPUT
100,Steven,King,SKING,515.123.4567,AD_PRES,,17-JUN-87,24000,,90
101,Neena,Kochhar,NKOCHHAR,515.123.4568,AD_VP,100,21-SEP-89,17000,,90
102,Lex,De Haan,LDEHAAN,515.123.4569,AD_VP,100,13-JAN-93,17000,,90
103,Alexander,Hunold,AHUNOLD,590.423.4567,IT_PROG,102,03-JAN-90,9000,,60
104,Bruce,Ernst,BERNST,590.423.4568,IT_PROG,103,21-MAY-91,6000,,60
107,Diana,Lorentz,DLORENTZ,590.423.5567,IT_PROG,103,07-FEB-99,4200,,60
124,Kevin,Mourgos,KMOURGOS,650.123.5234,ST_MAN,100,16-NOV-99,5800,,50
141,Trenna,Rajs,TRAJS,650.121.8009,ST_CLERK,124,17-OCT-95,3500,,50

ASSIGNMENT 2

1. Create a query to display the last name and salary of employees earning more than $12,000. Place your SQL statement in a text file named `lab2_1.sql`. Run your query.

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Hartstein	13000

2. Create a query to display the employee last name and department number for employee number 176.

LAST_NAME	DEPARTMENT_ID
Taylor	80

3. Modify `lab2_1.sql` to display the last name and salary for all employees whose salary is not in the range of $5,000 and $12,000. Place your SQL statement in a text file named `lab2_3.sql`.

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Lorentz	4200
Rajs	3500
Davies	3100
Matos	2600
Vargas	2500
Whalen	4400
Hartstein	13000

10 rows selected.

4. Display the employee last name, job ID, and start date of employees hired between February 20, 1998, and May 1, 1998. Order the query in ascending order by start date.

LAST_NAME	JOB_ID	HIRE_DATE
Matos	ST_CLERK	15-MAR-98
Taylor	SA_REP	24-MAR-98

5. Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.

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

7 rows selected.

6. Modify `lab2_3.sql` to list the last name and salary of employees who earn between $5,000 and $12,000, and are in department 20 or 50. Label the columns Employee and Monthly Salary, respectively. Resave `lab2_3.sql` as `lab2_6.sql`. Run the statement in `lab2_6.sql`.

Employee	Monthly Salary
Mourgos	5800
Fay	6000

7. Display the last name and hire date of every employee who was hired in 1994.

LAST_NAME	HIRE_DATE
Higgins	07-JUN-94
Gietz	07-JUN-94

8. Display the last name and job title of all employees who do not have a manager.

LAST_NAME	JOB_ID
King	AD_PRES

9. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.

LAST_NAME	SALARY	COMMISSION_PCT
Abel	11000	.3
Zlotkey	10500	.2
Taylor	8600	.2
Grant	7000	.15

If you have time, complete the following exercises:

10. Display the last names of all employees where the third letter of the name is an *a*.

LAST_NAME
Grant
Whalen

11. Display the last name of all employees who have an *a* and an *e* in their last name.

LAST_NAME
De Haan
Davies
Whalen
Hartstein

12. Display the last name, job, and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to $2,500, $3,500, or $7,000.

LAST_NAME	JOB_ID	SALARY
Davies	ST_CLERK	3100
Matos	ST_CLERK	2600
Abel	SA_REP	11000
Taylor	SA_REP	8600

13. Modify lab2_6.sql to display the last name, salary, and commission for all employees whose commission amount is 20%. Resave lab2_6.sql as lab2_13.sql. Rerun the statement in lab2_13.sql.

Employee	Monthly Salary	COMMISSION_PCT
Zlotkey	10500	.2
Taylor	8600	.2