Database Systems

LAB#01

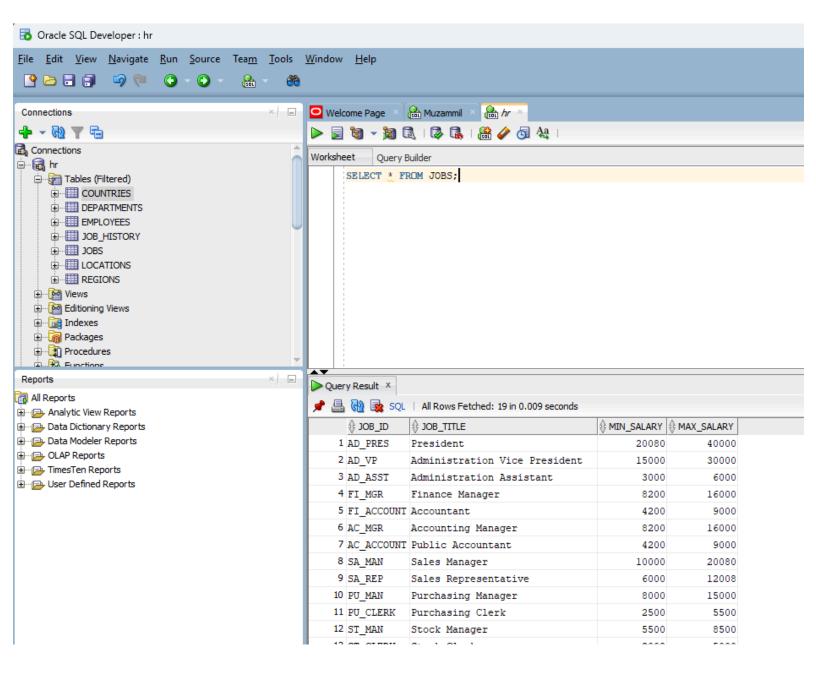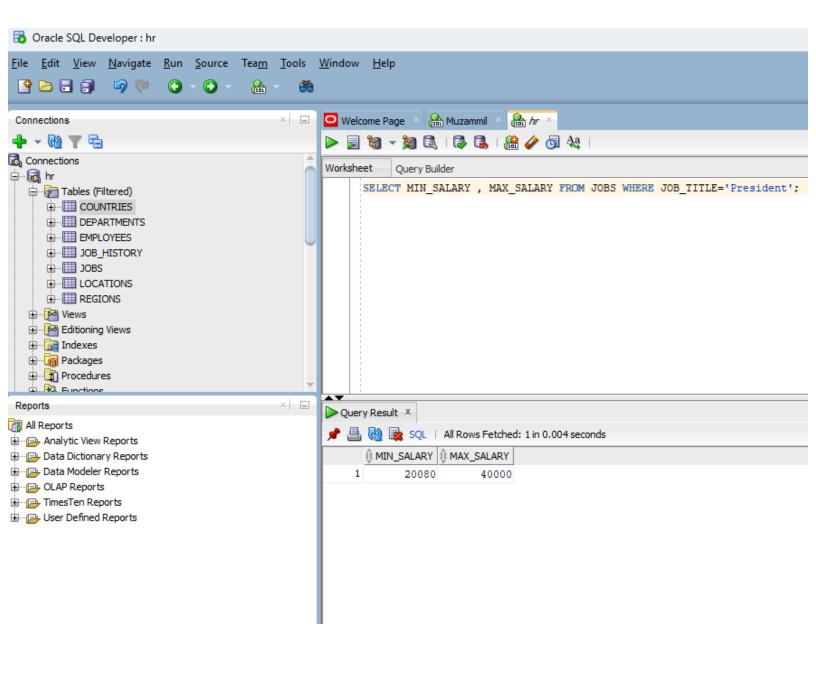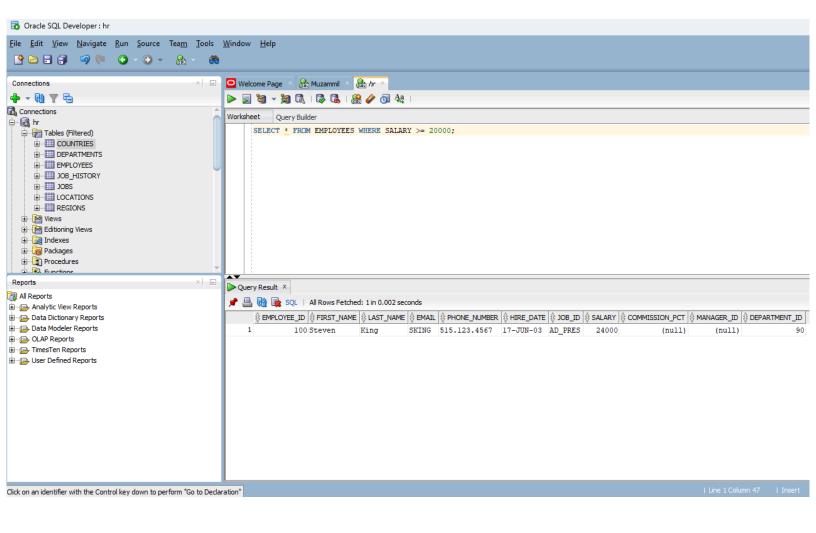

23K-2001
BCS-5J

Q1:

SELECT * FROM JOBS;

Q2:

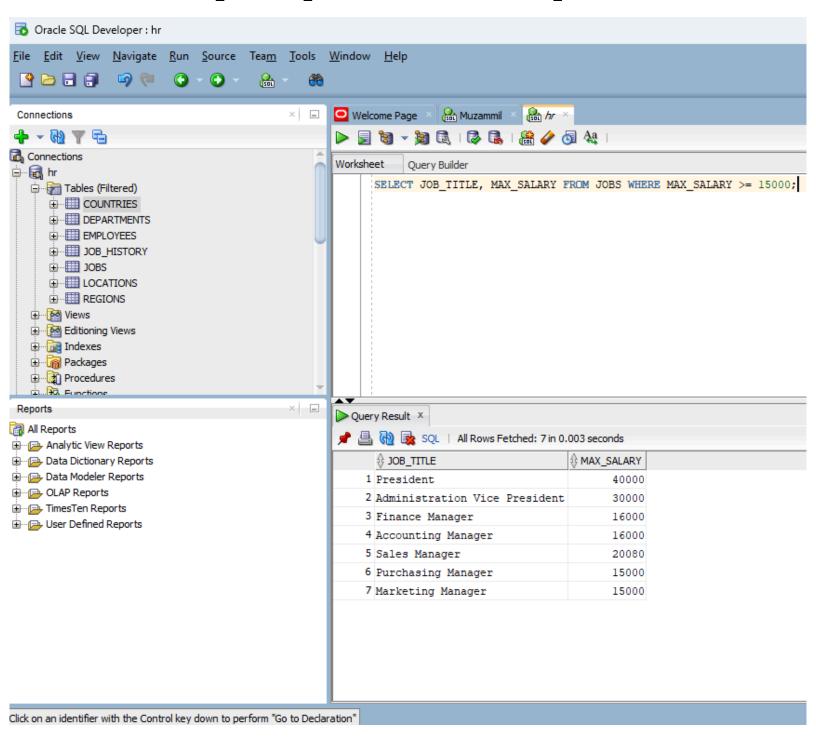SELECT MIN_SALARY , MAX_SALARY FROM JOBS WHERE JOB_TITLE='President';

Q3:

SELECT * FROM EMPLOYEES WHERE SALARY >= 20000;

Q4:

SELECT JOB_TITLE, MAX_SALARY FROM JOBS WHERE MAX_SALARY >= 15000;

Q5:

SELECT EMPLOYEE_ID , FIRST_NAME , LAST_NAME , DEPARTMENT_ID FROM
EMPLOYEES WHERE LAST_NAME='Snares';

Q6:

SELECT EMPLOYEE_ID , FIRST_NAME , LAST_NAME , DEPARTMENT_ID FROM
EMPLOYEES WHERE DEPARTMENT_ID=57;

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT_ID
1	108	Nancy	Greenberg	100
2	109	Daniel	Faviet	100
3	110	John	Chen	100
4	111	Ismael	Sciarra	100
5	112	Jose Manuel	Urman	100
6	113	Luis	Popp	100

Q7:

SELECT PHONE_NUMBER FROM EMPLOYEES WHERE DEPARTMENT_ID=80 AND
MANAGER_ID=100;

Q8:

SELECT * FROM EMPLOYEES WHERE FIRST_NAME IN('John', 'NEENA' , 'Lency');

Q9:

SELECT CITY FROM LOCATIONS WHERE COUNTRY_ID='IT';

Q10:

SELECT CITY FROM LOCATIONS WHERE COUNTRY_ID NOT IN('IN' , 'CH');

Oracle SQL Developer : hr

File Edit View Navigate Run Source Team Tools Window Help

Connections

Connections
- hr
  - Tables (Filtered)
    - COUNTRIES
    - DEPARTMENTS
    - EMPLOYEES
    - JOB_HISTORY
    - JOBS
    - LOCATIONS
      - LOCATION_ID
      - STREET_ADDRESS
      - POSTAL_CODE
      - CITY
      - STATE_PROVINCE
      - COUNTRY_ID
    - REGIONS
  - Views
  - Editioning Views
  - Indexes

Reports

All Reports
- Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

Welcome Page   Muzammil   hr

Worksheet   Query Builder

```
SELECT CITY
FROM LOCATIONS
WHERE COUNTRY_ID NOT IN('IN' , 'CH');
```

Query Result

SQL | All Rows Fetched: 20 in 0.007 seconds

	CITY
1	Sydney
2	Sao Paulo
3	Toronto
4	Whitehorse
5	Beijing
6	Munich
7	Roma
8	Venice
9	Tokyo
10	Hiroshima
11	Mexico City
12	Utrecht
13	Singapore
14	London
15	Oxford
16	Stretford
17	Southlake
18	South San Francisco
19	South Brunswick
20	Seattle

Q11:

SELECT JOB_TITLE , MIN_SALARY FROM JOBS WHERE MIN_SALARY > 8000 AND
MIN_SALARY < 15000;

Q12:

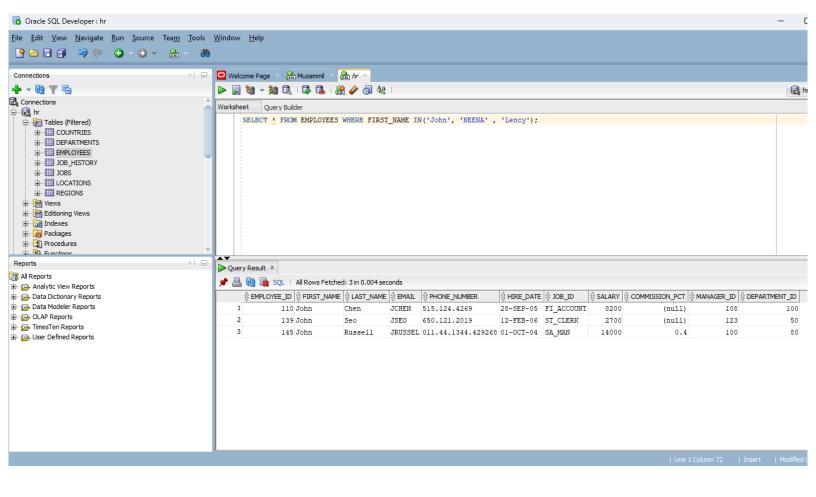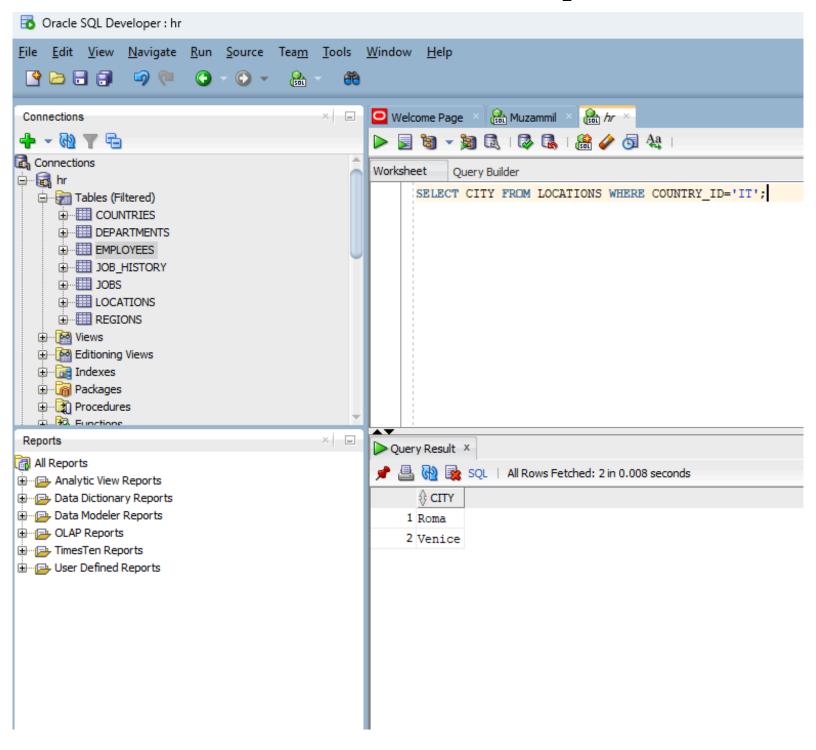SELECT PHONE_NUMBER, DEPARTMENT_ID , JOB_ID FROM EMPLOYEES WHERE DEPARTMENT_ID=90 AND NOT JOB_ID='IT_PROG';

Q13:

SELECT EMPLOYEE_ID , FIRST_NAME, HIRE_DATE FROM EMPLOYEES WHERE HIRE_DATE > '12-DEC-07';

Q14:

SELECT EMPLOYEE_ID, FIRST_NAME, HIRE_DATE , DEPARTMENT_ID FROM EMPLOYEES WHERE HIRE_DATE > '12-DEC-07' AND DEPARTMENT_ID=100;

Q15:

SELECT EMPLOYEE_ID, FIRST_NAME, HIRE_DATE , DEPARTMENT_ID FROM
EMPLOYEES WHERE HIRE_DATE > '12-DEC-07' AND NOT DEPARTMENT_ID=100;

Q16:

SELECT * FROM EMPLOYEES WHERE COMMISSION_PCT=0 AND NOT DEPARTMENT_ID
IN(100,90);

Q17:

SELECT * FROM EMPLOYEES
WHERE HIRE_DATE BETWEEN DATE '2010-01-01' AND DATE '2010-12-31';

Q18:

SELECT JOB_TITLE , MIN_SALARY FROM JOBS WHERE MIN_SALARY > 8000 AND
MIN_SALARY < 15000;

Q19:

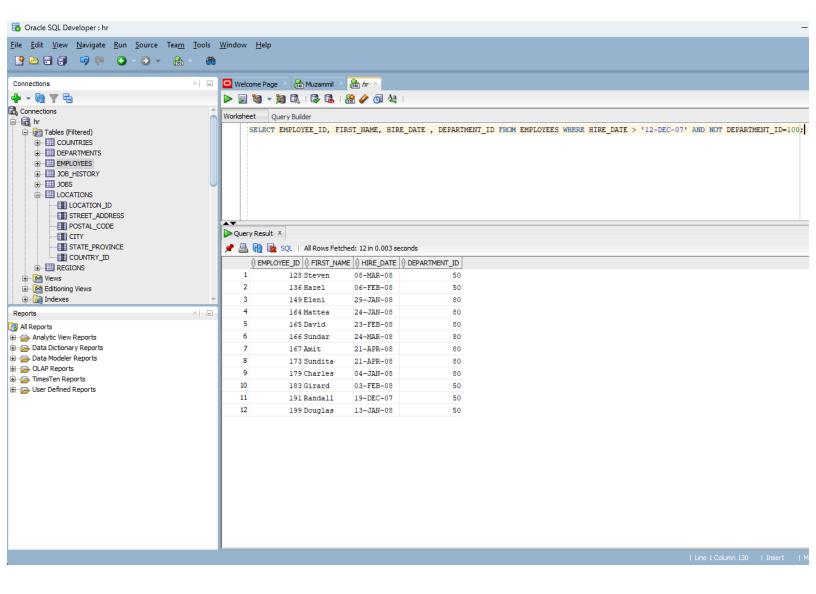SELECT FIRST_NAME, LAST_NAME, JOB_ID
FROM EMPLOYEES WHERE EMPLOYEE_ID BETWEEN 101 AND 149 AND
DEPARTMENT_ID BETWEEN 91 AND 99;

Oracle SQL Developer : hr

File Edit View Navigate Run Source Team Tools Window Help

Welcome Page   Muzammil   hr   EMPLOYEES

Worksheet   Query Builder

```
SELECT FIRST_NAME, LAST_NAME, JOB_ID
FROM EMPLOYEES WHERE EMPLOYEE_ID BETWEEN 101 AND 149 AND DEPARTMENT_ID BETWEEN 91 AND 99;
```

Query Result

SQL | All Rows Fetched: 0 in 0.001 seconds

FIRST_NA...	LAST_NAME	JOB_ID

Q20:

SELECT SALARY , COMMISSION_PCT , (SALARY+COMMISSION_PCT*SALARY) AS
TOTAL_SALARY FROM EMPLOYEES;

Oracle SQL Developer : hr

File   Edit   View   Navigate   Run   Source   Team   Tools   Window   Help

Welcome Page   Muzammil   hr   EMPLOYEES

Worksheet   Query Builder

```
SELECT SALARY , COMMISSION_PCT , (SALARY+COMMISSION_PCT*SALARY) AS TOTAL_SALARY FROM EMPLOYEES;
```

Query Result

SQL | Fetched 100 rows in 0.006 seconds

	SALARY	COMMISSION_PCT	TOTAL_SALARY
34	3300	(null)	(null)
35	2900	(null)	(null)
36	2400	(null)	(null)
37	2200	(null)	(null)
38	3600	(null)	(null)
39	3200	(null)	(null)
40	2700	(null)	(null)
41	2500	(null)	(null)
42	3500	(null)	(null)
43	3100	(null)	(null)
44	2600	(null)	(null)
45	2500	(null)	(null)
46	14000	0.4	19600
47	13500	0.3	17550
48	12000	0.3	15600
49	11000	0.3	14300
50	10500	0.2	12600
51	10000	0.3	13000
52	9500	0.25	11875
53	9000	0.25	11250
54	8000	0.2	9600
55	7500	0.2	9000
56	7000	0.15	8050