



National University
Of Computer and Emerging Sciences

Lab Task 1

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Roll NO – **23p-0559**

SECTION – **BCS(4A)**

Subject - **DataBase Lab**

(1)

```
--23P-0559 BCS (4A)
```

```
select * from JOBS;
```

Query Result x				
All Rows Fetched: 19 in 0.041 seconds				
	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
1	AD PRES	President	20080	40000
2	AD VP	Administration Vice President	15000	30000
3	AD ASST	Administration Assistant	3000	6000
4	FI MGR	Finance Manager	8200	16000
5	FI ACCOUNT	Accountant	4200	9000
6	AC MGR	Accounting Manager	8200	16000
7	AC ACCOUNT	Public Accountant	4200	9000
8	SA MAN	Sales Manager	10000	20080
9	SA REP	Sales Representative	6000	12008
10	PU MAN	Purchasing Manager	8000	15000
11	PU CLERK	Purchasing Clerk	2500	5500
12	ST MAN	Stock Manager	5500	8500
13	ST CLERK	Stock Clerk	2008	5000
14	SH CLERK	Shipping Clerk	2500	5500
15	IT PROG	Programmer	4000	10000
16	MK MAN	Marketing Manager	9000	15000
17	MK REP	Marketing Representative	4000	9000
18	HR REP	Human Resources Representative	4000	9000
19	PR REP	Public Relations Representative	4500	10500

(2)

```
--23P-0559 BCS (4A)
```

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

Query Result x		
All Rows Fetched: 1 in 0.002 seconds		
	MIN_SALARY	MAX_SALARY
1	20080	40000

(3)

```
--23P-0559 BCS (4A)
```

```
SELECT * from EMPLOYEES where SALARY > 20000;
```

Query Result x

SQL | All Rows Fetched: 1 in 0.005 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES	24000	(null)	(null)	90

(4)

```
--23P-0559 BCS (4A)

select * FROM JOBS,EMPLOYEES WHERE SALARY >= 15000;
```

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID_1
1	AD PRES	20080	40000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
2	AD PRES	20080	40000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
3	AD PRES	20080	40000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
4	AD VP	15000	30000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
5	AD VP	15000	30000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
6	AD VP	15000	30000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
7	AD ASST	3000	6000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
8	AD ASST	3000	6000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
9	AD ASST	3000	6000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
10	FI MGR	8200	16000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
11	FI MGR	8200	16000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
12	FI MGR	8200	16000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
13	FI ACCOUNT	4200	9000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
14	FI ACCOUNT	4200	9000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
15	FI ACCOUNT	4200	9000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
16	AC MGR	8200	16000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
17	AC MGR	8200	16000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
18	AC MGR	8200	16000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
19	AC ACCOUNT	4200	9000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
20	AC ACCOUNT	4200	9000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
21	AC ACCOUNT	4200	9000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
22	SA MAN	10000	20080	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
23	SA MAN	10000	20080	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
24	SA MAN	10000	20080	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
25	SA REP	6000	12008	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
26	SA REP	6000	12008	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
27	SA REP	6000	12008	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP
28	PU MAN	8000	15000	100	Steven	King	SKING	515.123.4567	17-JUN-03	AD PRES
29	PU MAN	8000	15000	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-05	AD VP
30	PU MAN	8000	15000	102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-01	AD VP

(5)

```
--23P-0559 BCS (4A)

select employee_id,first_name,last_name,department_id from EMPLOYEES where last_name = 'snares';
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT_ID
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(6)

```
--23P-0559 BCS (4A)

select employee_id,first_name,last_name,department_id from EMPLOYEES WHERE DEPARTMENT_ID = 57;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT_ID
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(7)

```
--23P-0559 BCS (4A)

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

PHONE_NUMBER
011.44.1344.429268
011.44.1344.467268
011.44.1344.429278
011.44.1344.619268
011.44.1344.429018

(8)

```
--23P-0559 BCS (4A)
```

```
SELECT * FROM EMPLOYEES WHERE FIRST_NAME in('John','LEENA','Lency');
```

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	110	John	Chen	JCHEN	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	(null)	108	100
2	139	John	Seo	JSEO	650.121.2019	12-FEB-06	ST_CLERK	2700	(null)	123	50
3	145	John	Russell	JRUSSEL	011.44.1344.429268	01-OCT-04	SA_MAN	14000	0.4	100	80

(9)

```
--23P-0559 BCS (4A)
```

```
SELECT CITY FROM LOCATIONS WHERE COUNTRY_ID = 'IT';
```

	CITY
1	Roma
2	Venice

(10)

```
--23P-0559 BCS (4A)
```

```
SELECT CITY FROM LOCATIONS WHERE COUNTRY_ID != 'IN' AND COUNTRY_ID != 'CH';
```

	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

(11)

--23P-0559 BCS (4A)

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

Query Result: x

SQL | All Rows Fetched: 4 in 0.003 seconds

JOB_TITLE
1 Finance Manager
2 Accounting Manager
3 Sales Manager
4 Marketing Manager

(12)

--23P-0559 BCS (4A)

```
SELECT PHONE_NUMBER FROM EMPLOYEES WHERE DEPARTMENT_ID = 90 AND JOB_ID != 'IT_PROG';
```

Query Result: x

SQL | All Rows Fetched: 3 in 0.005 seconds

PHONE_NUMBER
1 515.123.4567
2 515.123.4568
3 515.123.4569

(13)

--23P-0559 BCS (4A)

```
SELECT * FROM EMPLOYEES WHERE HIRE_DATE > DATE '2007-12-12';
```

Query Result: x

SQL | All Rows Fetched: 12 in 0.009 seconds

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID	
1	128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08	ST CLERK	2200	(null)	120	50
2	136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-FEB-08	ST CLERK	2200	(null)	122	50
3	149	Eleni	Zlotkev	EZLOTKEY	011.44.1344.429018	29-JAN-08	SA MAN	10500	0.2	100	80
4	164	Mattea	Marvins	MMARVINS	011.44.1346.329268	24-JAN-08	SA REP	7200	0.1	147	80
5	165	David	Lee	DLEE	011.44.1346.529268	23-FEB-08	SA REP	6800	0.1	147	80
6	166	Sundar	Ande	SANDE	011.44.1346.629268	24-MAR-08	SA REP	6400	0.1	147	80
7	167	Amit	Banda	ABANDA	011.44.1346.729268	21-APR-08	SA REP	6200	0.1	147	80
8	173	Sundita	Kumar	SKUMAR	011.44.1343.329268	21-APR-08	SA REP	6100	0.1	148	80
9	179	Charles	Johnson	CJOHNSON	011.44.1644.429262	04-JAN-08	SA REP	6200	0.1	149	80
10	183	Girard	Geoni	GGEONI	650.507.9879	03-FEB-08	SH CLERK	2800	(null)	120	50
11	191	Randall	Perkins	RPERKINS	650.505.4876	19-DEC-07	SH CLERK	2500	(null)	122	50
12	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH CLERK	2600	(null)	124	50

(14)

--23P-0559 BCS (4A)

```
SELECT * FROM EMPLOYEES WHERE HIRE_DATE > DATE '2007-12-12' AND DEPARTMENT_ID = 100;
```

Query Result: x

SQL | All Rows Fetched: 0 in 0.002 seconds

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
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(15)

Worksheet | History

Worksheet | Query Builder

--23P-0559 BCS (4A)

SELECT * FROM EMPLOYEES WHERE HIRE_DATE > DATE '2007-12-12' AND DEPARTMENT_ID != 100;

Query Result x

All Rows Fetched: 12 in 0.067 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	128	Steven	Markle	SMARKLE	650.124.1434	08-MAR-08	ST CLERK	2200	(null)	120	50
2	136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-FEB-08	ST CLERK	2200	(null)	122	50
3	149	Eleni	Zlotkev	EZLOTKEY	011.44.1344.429018	29-JAN-08	SA MAN	10500	0.2	100	80
4	164	Mattea	Marvins	MMARVINS	011.44.1346.329268	24-JAN-08	SA REP	7200	0.1	147	80
5	165	David	Lee	DLEE	011.44.1346.529268	23-FEB-08	SA REP	6800	0.1	147	80
6	166	Sundar	Ande	SANDE	011.44.1346.629268	24-MAR-08	SA REP	6400	0.1	147	80
7	167	Amit	Banda	ABANDA	011.44.1346.729268	21-APR-08	SA REP	6200	0.1	147	80
8	173	Sundita	Kumar	SKUMAR	011.44.1343.329268	21-APR-08	SA REP	6100	0.1	148	80
9	179	Charles	Johnson	CJOHNSON	011.44.1644.429262	04-JAN-08	SA REP	6200	0.1	149	80
10	183	Girard	Geoni	GGEONI	650.507.9879	03-FEB-08	SH CLERK	2800	(null)	120	50
11	191	Randall	Perkins	RPERKINS	650.505.4876	19-DEC-07	SH CLERK	2500	(null)	122	50
12	199	Douglas	Grant	DGRANT	650.507.9844	13-JAN-08	SH CLERK	2600	(null)	124	50

(16)

Worksheet | Query Builder

--23P-0559 BCS (4A)

SELECT * FROM EMPLOYEES WHERE COMMISSION_PCT = 0 AND (DEPARTMENT_ID != 90 OR DEPARTMENT_ID != 100);

Query Result x

All Rows Fetched: 0 in 0.003 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
--	-------------	------------	-----------	-------	--------------	-----------	--------	--------	----------------	------------	---------------

(17)

Worksheet | Query Builder

--23P-0559 BCS (4A)

SELECT * FROM EMPLOYEES WHERE HIRE_DATE >= DATE '2010-1-1' AND HIRE_DATE <= DATE '2010-12-31';

Query Result x

All Rows Fetched: 0 in 0.009 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
--	-------------	------------	-----------	-------	--------------	-----------	--------	--------	----------------	------------	---------------

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Worksheet | Query Builder

--23P-0559 BCS (4A)

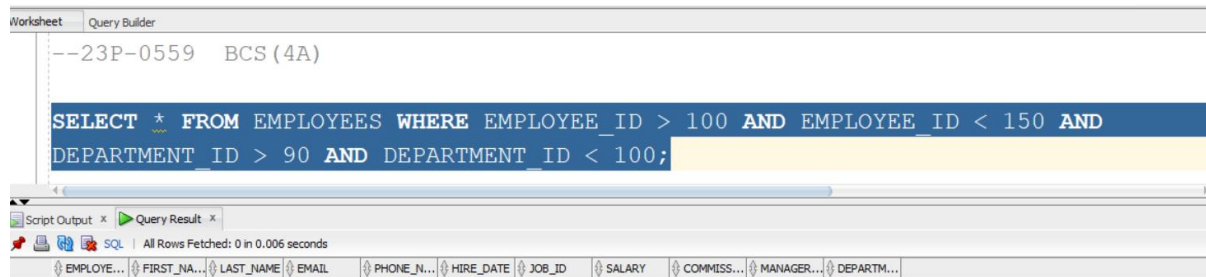
SELECT * FROM JOBS WHERE MIN_SALARY > 8000 AND MIN_SALARY < 15000;

Query Result x

All Rows Fetched: 4 in 0.046 seconds

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
1	FI	MGR Finance Manager	8200	16000
2	AC	MGR Accounting Manager	8200	16000
3	SA	MAN Sales Manager	10000	20080
4	MK	MAN Marketing Manager	9000	15000

(19)



(20)

