

## CSCD327 – Lab3

1) Note: I am using varchar for COMM

select \*

from EMP

where (DEPTNO = 10) or (COMM != '') or ((DEPTNO = 20 and SAL <= 2000));

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800		20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600	300	30
7521	WARD	SALESMAN	7698	1981-02-22	1250	500	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250	1400	30
7782	CLARK	MANAGER	7839	1981-06-09	2450		10
7839	KING	PRESIDENT		1981-11-17	5000		10
7844	TURNER	SALESMAN	7698	1981-09-08	1500	0	30
7876	ADAMS	CLERK	7788	1983-01-12	1100		20
7934	MILLER	CLERK	7782	1982-01-23	1300		10

2)

select ENAME, JOB

from EMP

where DEPTNO = 10;

ENAME	JOB
CLARK	MANAGER
KING	PRESIDENT
MILLER	CLERK

3)

select CONCAT(ENAME, ' WORKS', ' AS', ' A ', JOB) as 'Works\_As'

from EMP

where DEPTNO = 10;

Works_As
CLARK WORKS AS A MANAGER
KING WORKS AS A PRESIDENT
MILLER WORKS AS A CLERK

4)

```

select ENAME, SAL,
case
    when SAL <= 2000 then 'UNDERPAID'
    when SAL >= 4000 then 'OVERPAID'
    else 'OK'
end as 'STATUS'
from EMP;

```

ENAME	SAL	STATUS
SMITH	800	UNDERPAID
ALLEN	1600	UNDERPAID
WARD	1250	UNDERPAID
JONES	2975	OK
MARTIN	1250	UNDERPAID
BLAKE	2850	OK
CLARK	2450	OK
SCOTT	3000	OK
KING	5000	OVERPAID
TURNER	1500	UNDERPAID
ADAMS	1100	UNDERPAID
JAMES	950	UNDERPAID
FORD	3000	OK
MILLER	1300	UNDERPAID

5)

```

select ENAME, JOB
from EMP
where (DEPTNO = 10 or DEPTNO = 20) and (ENAME regexp 'i' or JOB regexp 'er$');

```

ENAME	JOB
SMITH	CLERK
JONES	MANAGER
CLARK	MANAGER
KING	PRESIDENT
MILLER	CLERK

6)

```

select ENAME, JOB
from EMP
order by substr(JOB, length(JOB) - 2), JOB DESC;

```

ENAME	JOB
KING	PRESIDENT
SMITH	CLERK
ADAMS	CLERK
JAMES	CLERK
MILLER	CLERK
JONES	MANAGER
BLAKE	MANAGER
CLARK	MANAGER
ALLEN	SALESMAN
WARD	SALESMAN
MARTIN	SALESMAN
TURNER	SALESMAN
SCOTT	ANALYST
FORD	ANALYST

7)  
 select title, category  
 from BOOKS  
 where category != 'FITNESS';

title	category
HOW TO GET FASTER PIZZA	SELF HELP
THE WOK WAY TO COOK	COOKING
REVENGE OF MICKEY	FAMILY LIFE
HANDCRANKED COMPUTERS	COMPUTER
SHORTEST POEMS	LITERATURE
PAINLESS CHILD-REARING	FAMILY LIFE
COOKING WITH MUSHROOMS	COOKING
HOLY GRAIL OF ORACLE	COMPUTER
BUILDING A CAR WITH TOOTHPICKS	CHILDREN
BIG BEAR AND LITTLE DOVE	CHILDREN
DATABASE IMPLEMENTATION	COMPUTER
HOW TO MANAGE THE MANAGER	BUSINESS
E-BUSINESS THE EASY WAY	COMPUTER

8)

```

select Customer_num, LastName, State
  from CUSTOMERS
 where state = 'GA' or state = 'NJ'
 order by LastName ASC;

```

Customer_num	LastName	State
1020	FALAH	NJ
1010	LUCAS	GA
1018	MONTIASA	GA
1019	SMITH	NJ

9)

```

select lname, fname
  from AUTHOR
 where lname regexp 'IN'
 order by lname;

```

lname	fname
AUSTIN	JAMES
MARTINEZ	SHEILA
ROBINSON	ROBERT
WILKINSON	ANTHONY

10)

```

select isbn, title
  from BOOKS
 where title regexp '^A.N'
 order by title DESC;

```

isbn	title
2491748320	PAINLESS CHILD-REARING

11)

```
select concat(last_name, ', ', first_name) as full_name
       from customers
       where last_name not between 'a' and 'n'
       order by last_name ASC;
```

full_name
Sherwood, Allan
Valentino, Erin
Wilson, Frank Lee
Zimmer, Barry

12)

```
select
    product_name, list_price, discount_percent,
    round(list_price * (discount_percent / 100), 2) as discount_amount,
    round(list_price - list_price * (discount_percent / 100), 2) as discount_price
  from products
  order by discount_price DESC;
```

product_name	list_price	discount_percent	discount_amount	discount_price
Gibson SG	2517.00	52.00	1308.84	1208.16
Gibson Les Paul	1199.00	30.00	359.70	839.30
Tama 5-Piece Drum Set with Cymbals	799.99	15.00	120.00	679.99
Fender Precision	799.99	30.00	240.00	559.99
Ludwig 5-piece Drum Set with Cymbals	699.99	30.00	210.00	489.99
Fender Stratocaster	699.00	30.00	209.70	489.30
Hofner Icon	499.99	25.00	125.00	374.99
Yamaha FG700S	489.99	38.00	186.20	303.79
Washburn D10S	299.00	0.00	0.00	299.00
Rodriguez Caballero 11	415.00	39.00	161.85	253.15

13)

select

```
    item_id, item_price, discount_amount, quantity,  
    (item_price * quantity) as price_total,  
    (discount_amount * quantity) as discount_total,  
    ((item_price - discount_amount) * quantity) as item_total  
from order_items
```

```
where ((item_price - discount_amount) * quantity) > 500
```

```
order by item_total DESC;
```

item_id	item_price	discount_amount	quantity	price_total	discount_total	item_total
5	1199.00	359.70	2	2398.00	719.40	1678.60
3	2517.00	1308.84	1	2517.00	1308.84	1208.16
1	1199.00	359.70	1	1199.00	359.70	839.30
11	799.99	120.00	1	799.99	120.00	679.99
9	799.99	240.00	1	799.99	240.00	559.99