Nathan Hamilton
Lab 3
CSCD 327-01

1.   select *
        from EMP
        where DEPTNO = 10 or COMM is not null or (DEPTNO = 20 and SAL > 2000);

        7499 ALLEN   SALESMAN 7698 1981-02-20 1600 300 30
        7521 WARD   SALESMAN 7698 1981-02-22 1250 500 30
        7566 JONES   MANAGER 7839 1981-04-02 2975   20
        7654 MARTIN SALESMAN 7698 1981-09-28 1250 1400 30
        7782 CLARK   MANAGER 7839 1981-06-09 2450   10
        7788 SCOTT   ANALYST 7566 1982-12-09 3000   20
        7839 KING   PRESIDENT   1981-11-17 5000   10
        7844 TURNER SALESMAN 7698 1981-09-08 1500 0   30
        7902 FORD   ANALYST 7566 1981-12-03 3000   20
        7934 MILLER CLERK   7782 1982-01-23 1300   10

2.   select ENAME, JOB
        from EMP
        where DEPTNO = 10;

        CLARK   MANAGER
        KING   PRESIDENT
        MILLER CLERK

3.   select concat(ENAME, ' WORKS AS A ', JOB)
        from EMP
        where DEPTNO = 10;
        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

```
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
      group by ENAME, JOB
      having ENAME like '%I%' or JOB like '%ER';

```
CLARK   MANAGER
JONES    MANAGER
KING      PRESIDENT
MILLER  CLERK
SMITH   CLERK
```

6.   select ENAME, JOB
      from EMP
      order by right(JOB, 3) asc;

```
KING      PRESIDENT
SMITH    CLERK
JAMES    CLERK
ADAMS   CLERK
MILLER  CLERK
BLAKE    MANAGER
CLARK    MANAGER
JONES    MANAGER
MARTIN SALESMAN
TURNER SALESMAN
WARD     SALESMAN
ALLEN    SALESMAN
```

```
FORD    ANALYST
SCOTT   ANALYST
```

7.   select Title, Category
      from BOOKS
      where category not like 'fitness';

```
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 like 'GA' or State like 'NJ'
      order by LastName;

```
1020 FALAH      NJ
1010 LUCAS      GA
1018 MONTIASA GA
1019 SMITH      NJ
```

9.   select Lname, Fname
      from AUTHOR
      where Lname like '%IN%'
      order by Lname, Fname;

```
AUSTIN      JAMES
MARTINEZ    SHEILA
ROBINSON    ROBERT
WILKINSON   ANTHONY
```

10.   select ISBN, Title
       from BOOKS
       where Title like '_A_N%'
       order by Title desc;
       2491748320 PAINLESS CHILD-REARING

11.   select concat(last_name, ', ', first_name) as full_name
       from customers
       where last_name between 'M%' and 'Z%'
       order by last_name
       Sherwood, Allan
       Valentino, Erin
       Wilson, Frank Lee

12.   select product_name, list_price, discount_percent,
       truncate(list_price * (discount_percent / 100), 2) as discount_amount,
       truncate(list_price - list_price * (discount_percent / 100), 2) as discount_price
       from products;

Fender Stratocaster	699.00	30.00	209.70	489.30
Gibson Les Paul	1199.00	30.00	359.70	839.30
Gibson SG	2517.00	52.00	1308.84	1208.16
Yamaha FG700S	489.99	38.00	186.19	303.79
Washburn D10S	299.00	0.00	0.00	299.00
Rodriguez Caballero 11	415.00	39.00	161.85	253.15
Fender Precision	799.99	30.00	239.99	559.99
Hofner Icon	499.99	25.00	124.99	374.99
Ludwig 5-piece Drum Set with Cymbals	699.99	30.00	209.99	489.99
Tama 5-Piece Drum Set with Cymbals	799.99	15.00	119.99	679.99

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_price - discount_amount) * quantity desc;

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