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 |