

Austin Hall

1)
select ENAME
from EMP
where deptno = 10
or comm is not NULL
or (deptno = 20 and sal <= 2000);

ENAME ^
ADAMS
ALLEN
CLARK
KING
MARTIN
MILLER
SMITH
TURNER
WARD

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

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```
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 like "%I%"
or JOB like "%ER");
```

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

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6)
select ENAME, JOB
from EMP
order by SUBSTR(JOB, -3, LENGTH(JOB));

ENAME	JOB
KING	PRESIDENT
SMITH	CLERK
ADAMS	CLERK
JAMES	CLERK
MILLER	CLERK
JONES	MANAGER
BLAKE	MANAGER
CLARK	MANAGER
ALLEN	SALESMAN
WARD	SALESMAN
MARTIN	SALESMAN
TURN...	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

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8)

```
select customer_num, lastname, state
from CUSTOMERS
where (state = "GA" or state = "NJ")
order by lastname;
```

customer_num	lastname	state
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;
```

lname	fname
AUSTIN	JAMES
MARTINEZ	SHEILA
ROBINSON	ROBERT
WILKINSON	ANTHONY

10)

```
select isbn, title
from BOOKS
where (substr(title, 2, 1) like "A"
and substr(title, 4, 1) like "N")
order by title DESC;
```

isbn	title
2491748320	PAINLESS CHILD-REARING

11)

```
select concat(last_name, " ", first_name) as full_name
from customers
where (substr(last_name, 1, 1) >= "S"
and (substr(last_name, 1, 1) <= "Z"))
order by last_name;
```

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

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12)

```
select product_name, list_price, discount_percent,  
cast(list_price * (discount_percent/100) as decimal(10,2)) as discount_amount,  
cast(list_price - (list_price * (discount_percent/100)) as decimal(10,2)) as discount_price  
from products  
order by discount_price DESC;
```

product_name	list_price	discount_percent	discount_amount ^	discount_price v
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
Rodríguez 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