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|  |
| 1) describe customer; |
|  | 2) select cname from customer where rating=100; |
|  | 3) select \* from customer where city is NULL; |
|  | select \* from customer where city!="NULL"; |
|  | 4) select a.onum,a.amt,a.odate,a.cnum,b.snum from orders a,customer b where a.cnum=b.cnum; |
|  | select a.onum,a.amt,a.odate,a.cnum,b.snum from orders a,customer b where a.cnum=b.cnum group by snum,odate; |
|  | select a.onum,a.amt,a.odate,a.cnum,b.snum,max(a.amt) from orders a,customer b where a.cnum=b.cnum group by snum,odate; |
|  | 5) select \* from orders order by cnum desc; |
|  | 6) select a.onum,a.odate,a.odate,a.amt,a.cnum,b.snum from orders a,customer b where a.cnum=b.cnum; |
|  | select distinct b.snum from orders a,customer b where a.cnum=b.cnum; |
|  | select distinct b.snum,c.sname from orders a,customer b,salespeople c where a.cnum=b.cnum and b.snum=c.snum; |
|  | 7) select distinct a.cname,b.sname from customer a,salespeople b where a.snum=b.snum; |
|  | 8) select a.snum,b.sname,count(a.snum) as custcount from customer a,salespeople b where a.snum=b.snum group by a.snum having custcount>1; |
|  | 9) select snum,sname,count(snum)as salescount from salespeople group by snum; |
|  | select snum,sname from salespeople order by snum desc; |
|  | 10) select city,count(cnum)as custcount from customer group by city ; |
|  | select city,count(cnum)as custcount from customer group by city having count(cnum) >1 ; |
|  | select city,count(cnum)as custcount from customer where city="san jose" group by city having count(cnum) >1 ; |
|  | 11) select a.cname,a.city,b.sname from customer a,salespeople b where a.snum=b.snum; |
|  | 12)select a.onum,a.amt,a.cnum,b.snum from orders a,customer b where a.cnum=b.cnum; |
|  | select a.onum,a.amt,a.cnum,b.snum from orders a,customer b where a.cnum=b.cnum group by snum; |
|  | select a.onum,a.amt,a.cnum,b.snum,max(a.amt) from orders a,customer b where a.cnum=b.cnum group by snum; |
|  | 13) select \* from customer where city="San Jose" and rating>200; |
|  | 14) select sname,city,comm from salespeople where city="London"; |
|  | 15) select \* from customer a, salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum; |
|  | select b.sname,c.onum,c.amt,c.odate,c.cnum from customer a, salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum; |
|  | select b.sname,c.onum,c.amt,c.odate,c.cnum from customer a, salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum and sname="motika"; |
|  | 16)select a.cname,b.onum,b.odate from customer a,orders b where a.cnum=b.cnum; |
|  | select b.onum,a.cname,b.odate from customer a,orders b where a.cnum=b.cnum and odate='1996-03-10'; |
|  | 17) select odate,max(amt) from orders group by odate having sum(amt)>max(amt)+2000; |
|  | 18)select onum,amt,odate from orders where odate='1996-06-10'; |
|  | select amt from orders where amt>ANY(select amt from orders where odate='1996-06-10'); |
|  | 19) select \* from salespeople where exists(select rating from customer where rating=300); |
|  | 20)select cname,rating from customer where rating>=200 and rating<=300; |
|  | 21)select cname , cnum from Customer b where b.cnum>(select a.snum+1000 from salespeople a where sname="serres"); [sub query] |
|  | select cname , cnum from Customer b ,salespeople a where a.sname="serres" and b.cnum >a.snum+1000; [Joints] |
|  | 22)select snum,concat(comm \*100,"%")as percentage from salespeople; |
|  | 23)select a.sname,c.onum,c.amt,c.odate,max(c.amt) from salespeople a,customer b, orders c where a.snum=b.snum and b.cnum=c.cnum group by a.sname,c.odate; |
|  | select a.sname,c.onum,c.amt,c.odate,max(c.amt) from salespeople a,customer b, orders c where a.snum=b.snum and b.cnum=c.cnum group by a.sname,c.odate having max(c.amt)>3000; |
|  | 24)select a.sname,c.onum,c.amt,c.odate from salespeople a,customer b, orders c where a.snum=b.snum and b.cnum=c.cnum; |
|  | select a.sname,c.onum,c.amt,c.odate from salespeople a,customer b, orders c where a.snum=b.snum and b.cnum=c.cnum and odate='1996-03-10'; |
|  | select a.sname,c.onum,c.amt,c.odate,max(c.amt) from salespeople a,customer b, orders c where a.snum=b.snum and b.cnum=c.cnum and odate='1996-03-10'; |
|  | 25)select cname,city from customer where city=( select city from salespeople where sname="serres"); |
|  | 26)select \* from customer where rating>200; |
|  | 27)select b.sname,c.amt,c.odate,count(a.snum) from customer a,salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum group by b.sname; |
|  | 28) select a.sname,b.cname,a.comm,concat(comm\*100,"%")as percent from salespeople a,customer b where a.snum=b.snum; |
|  | select a.sname,b.cname,concat(comm\*100,"%")as percent from salespeople a,customer b where a.snum=b.snum and comm>0.12; |
|  | 29)select a.snum,count(b.cnum),a.sname from salespeople a,customer b where a.snum=b.snum group by snum having count(a.snum)>1; |
|  | 30)SELECT Customer.cname,Customer.city,Salespeople.sname,Salespeople.city FROM Salespeople,Customer WHERE Salespeople.city=Customer.city; |
|  | 31) select \* from salespeople where sname like('P\_\_l%'); |
|  | 32)select onum,odate from orders where cnum=(select cnum from customer where cname="cisneros"); |
|  | 33)select a.sname,c.onum,c.amt,c.odate,max(amt) from salespeople a,customer b,orders c where a.snum=b.snum and b.cnum=c.cnum and sname IN("serres" ,"rifkin") group by sname ; |
|  | 34) select snum 'SNUM',sname as SNAME,comm as COMMISSION,city as CITY from salespeople; |
|  | 35) select \* from customer where cname between 'A' and 'G'; |
|  | 36)select \* from salespeople a cross join customer b; |
|  | 37)select \* from orders where amt > (select avg(amt) from orders where odate='1996-04-10'); |
|  | 38)select \* from customer where rating=(select max(rating) from customer); |
|  | 39) select onum, odate,sum(amt) as sum from orders group by odate order by odate desc; |
|  | 40) select concat(rating,cname)from customer where city="san jose"; |
|  | select rating,cname, city from customer where city="san jose"; |
|  | 41) select cname,amt from customer a,orders b where a.cnum=b.cnum and amt <ANY (select amt from orders where city="san jose"); |
|  | 42)select \* from orders where amt >(select avg(amt) from orders); |
|  | 43) select city,max(rating) from customer group by city; |
|  | 44) select \* from customer where rating> any (select sum(b.comm)+100 from customer a,salespeople b where a.snum=b.snum group by a.cnum); |
|  | 45) select cnum ,rating from customer where rating > (select avg(rating) from customer where city="San Jose"); |
|  | select cnum ,rating,count(cnum) from customer where rating > (select avg(rating) from customer where city="San Jose"); |
|  | 46)select a.sname,a.city from salespeople a,orders b ,customer c where a.snum=c.snum and b.cnum=c.cnum order by sname desc; |
|  | 47)select \* from salespeople where city="barcelona" or "london"; |
|  | 48)select \* from salespeople where snum IN(select snum from customer group by snum having count(distinct cnum)=1); |
|  | 49) select a.cname,a.cnum from customer a,(select snum,count(\*) as cust\_count from salespeople group by snum having cust\_count=1)b where a.snum=b.snum; |
|  | 50) select \* from orders where amt>ANY(select amt+1000 from orders); |
|  | 51)select a.cname,b.onum from customer a, orders b where a.cnum=b.cnum group by onum; |
|  | 52)select distinct sname from customer a,salespeople b where a.city=b.city and a.snum!=b.snum; |
|  | select sname from salespeople where sname in(select sname from customer a,salespeople b where a.city=b.city and a.snum!=b.snum); |
|  | 53) select \* from customer where rating>= any(select rating from customer where snum in (select snum from salespeople where sname= "serres")); |
|  | 54)select \* from orders where odate="1996-03-10" or odate= "1996-04-10"; |
|  | 55)select cname,onum from customer a,orders b where a.cnum=b.cnum group by cname; |
|  | 56)select \* from customer where rating>(select rating from customer where city="rome"group by city); |
|  | 57) select \* from customer where rating>100 or city="rome"; |
|  | 58) select \* from customer where snum=1001; |
|  | 59)select b.sname,sum(c.amt) from customer a,salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum group by b.sname having sum(c.amt)>(select max(amt) from orders); |
|  | 60) |
|  | 61)select \* from customer a,salespeople b where a.snum=b.snum and sname<cname and rating<200; |
|  | 62)select sname,comm from salespeople; |
|  | 63) select \* from customer where rating=(select rating from customer where cnum=2001); |
|  | select cname,city from customer where rating=(select rating from customer where cname="Hoffman")and cname!="Hoffman"; |
|  | 64) select \* from customer a,salespeople b where a.snum=b.snum and(substring(sname,1,1) < substring(cname,1,1)); |
|  | select \* from customer a,salespeople b where a.snum=b.snum and sname<cname; |
|  | 65)select a.cname,a.rating from customer a,orders b where a.cnum=b.cnum and b.amt >(select avg(b.amt) from orders); |
|  | 66) select sum(amt) as sum from orders; |
|  | 67) select onum,amt,odate from orders; |
|  | 68)select \* from customer where rating is not null; |
|  | 69)select onum,sname,cname from salespeople a,customer b,orders c where a.snum=b.snum and b.cnum=c.cnum group by onum; |
|  | 70)select sname,comm from salespeople a where snum in (select snum from customer b where city="london"); |
|  | select comm from salespeople a, customer b where a.snum=b.snum and b.city="london"; |
|  | 71select \* from salespeople where city <>all (select city from customer); |
|  | 72)select \* from salespeople a where exists( select \* from customer b where a.city=b.city and a.snum!=b.snum); |
|  | 73)select \* from salespeople a join customer b on a.snum=b.snum where sname="peel" or sname="motika"; |
|  | 74)select odate,count(distinct b.snum) from customer a join salespeople b on a.snum=b.snum join orders c on c.cnum=a.cnum group by odate; |
|  | 75)select \* from customer a join salespeople b on a.snum=b.snum join orders c on c.cnum=a.cnum where b.city="london"; |
|  | 76) select onum,sname,cname,c.cnum from customer a join salespeople b on a.snum=b.snum join orders c on c.cnum=a.cnum where a.city!=b.city; |
|  | 77)select sname,count(onum) from customer a join salespeople b on a.snum=b.snum join orders c on c.cnum=a.cnum group by sname having count(onum)>1; |
|  | 78)select \* from customer a,( select cnum,count(\*) as cust\_count from orders group by cnum) b, (select snum,count(\*) as total\_order from orders x,customer y where x.cnum=y.cnum group by snum)c where a.cnum=b.cnum and a.snum=c.snum and total\_order>cust\_count; |
|  | 79) select \* from customer where cname like('C%'); |
|  | 80)select city,max(rating) as rating from customer group by city; |
|  | 81) select distinct b.snum from customer a,salespeople b,orders c where a.snum=b.snum and a.cnum=c.cnum; |
|  | 82) select rating,cname,cnum from customer order by rating desc; |
|  | 83)select avg(comm) from salespeople where city="london"; |
|  | 84)select onum,odate from orders where cnum IN(select cnum from customer where snum=(select b.snum from customer b join salespeople c on b.snum=c.snum where cname="hoffman")); |
|  | 85) select sname,comm from salespeople where comm between 0.10 and 0.12; |
|  | 86) select sname,city,comm from salespeople where city="london" and comm>0.10; |
|  | 87) +------+---------+------------+------+ |
|  | | onum | amt | odate | cnum | |
|  | +------+---------+------------+------+ |
|  | | 3001 | 18.69 | 1996-03-10 | 2008 | |
|  | | 3002 | 1900.19 | 1996-03-10 | 2007 | |
|  | | 3003 | 767.19 | 1996-03-10 | 2001 | |
|  | | 3005 | 5160.45 | 1996-03-10 | 2003 | |
|  | | 3006 | 1098.16 | 1996-03-10 | 2008 | |
|  | | 3007 | 75.75 | 1996-04-10 | 2002 | |
|  | | 3008 | 4723.00 | 1996-05-10 | 2006 | |
|  | | 3009 | 1713.23 | 1996-04-10 | 2002 | |
|  | | 3010 | 1309.95 | 1996-06-10 | 2004 | |
|  | | 3011 | 9891.88 | 1996-06-10 | 2006 | |
|  |  |
|  | 88)select b.cnum,cname,min(amt) from customer a join orders b on a.cnum=b.cnum group by cname; |
|  | 89)select \* from customer where cname like('G%'); |
|  | 90)select count(distinct city) from customer where city is not null ; |
|  | 91)select avg(amt) from orders; |
|  | 92)SELECT \* FROM ORDERS a join customer b on a.cnum=b.cnum join salespeople c on b.snum=c.snum WHERE NOT (odate = '1996-03-10' OR b.snum > 1006 AND amt >= 1500); |
|  | +------+---------+------------+------+------+----------+--------+--------+------+------+---------+----------+------+ |
|  | | onum | amt | odate | cnum | cnum | cname | city | rating | snum | snum | sname | city | comm | |
|  | +------+---------+------------+------+------+----------+--------+--------+------+------+---------+----------+------+ |
|  | | 3007 | 75.75 | 1996-04-10 | 2002 | 2002 | Giovanni | Rome | 200 | 1003 | 1003 | AxelRod | New york | 0.10 | |
|  | | 3009 | 1713.23 | 1996-04-10 | 2002 | 2002 | Giovanni | Rome | 200 | 1003 | 1003 | AxelRod | New york | 0.10 | |
|  | | 3010 | 1309.95 | 1996-06-10 | 2004 | 2004 | Grass | Berlin | 300 | 1002 | 1002 | Serres | San Jose | 0.13 | |
|  | | 3008 | 4723.00 | 1996-05-10 | 2006 | 2006 | Clemens | London | 100 | 1001 | 1001 | Peel | London | 0.12 | |
|  | | 3011 | 9891.88 | 1996-06-10 | 2006 | 2006 | Clemens | London | 100 | 1001 | 1001 | Peel | London | 0.12 | |
|  | +------+---------+------------+------+------+----------+--------+--------+------+------+---------+----------+------+ |
|  | 93)select \* from customer where city!="san jose" and rating>200; |
|  | 94)SELECT snum, sname, city, comm FROM salespeople; |
|  | 95)SELECT \* FROM orders a join customer b on a.cnum=b.cnum WHERE NOT ((odate = "1996-10-03" AND snum > 1002) OR amt>2000.00); |
|  | +------+---------+------------+------+------+----------+----------+--------+------+ |
|  | | onum | amt | odate | cnum | cnum | cname | city | rating | snum | |
|  | +------+---------+------------+------+------+----------+----------+--------+------+ |
|  | | 3001 | 18.69 | 1996-03-10 | 2008 | 2008 | Cisneros | San Jose | 300 | 1007 | |
|  | | 3002 | 1900.19 | 1996-03-10 | 2007 | 2007 | Pereira | Rome | 100 | 1004 | |
|  | | 3003 | 767.19 | 1996-03-10 | 2001 | 2001 | Hoffman | London | 100 | 1001 | |
|  | | 3006 | 1098.16 | 1996-03-10 | 2008 | 2008 | Cisneros | San Jose | 300 | 1007 | |
|  | | 3007 | 75.75 | 1996-04-10 | 2002 | 2002 | Giovanni | Rome | 200 | 1003 | |
|  | | 3009 | 1713.23 | 1996-04-10 | 2002 | 2002 | Giovanni | Rome | 200 | 1003 | |
|  | | 3010 | 1309.95 | 1996-06-10 | 2004 | 2004 | Grass | Berlin | 300 | 1002 | |
|  | +------+---------+------------+------+------+----------+----------+--------+------+ |
|  | 96)select sname,cname,a.city from customer a join salespeople b on a.snum=b.snum where a.city!=b.city; |
|  | 97)select \* from customer a join salespeople b on a.snum=b.snum where comm>0.11 and rating<250; |
|  | 98)select \* from salespeople a,salespeople b where a.city=b.city and a.comm!=b.comm; |
|  | 99) select \* from salespeople order by comm desc limit 1; |
|  | 100) select odate,onum,amt,max(rating),cname,max(amt) from salespeople a join customer b on a.snum=b.snum join orders c on b.cnum=c.cnum group by sname order by max(amt) desc; |
|  | 101) select odate,onum,amt,rating,cname,a.snum from salespeople a join customer b on a.snum=b.snum join orders c on b.cnum=c.cnum group by sname order by amt desc; |
|  | 102) select \* from customer order by rating desc; |
|  | 103) select distinct day from(select a.cnum as custno,cname as custname,dayname(odate) as day from orders a,customer b where a.cnum=b.cnum and b.cname="hoffman")c order by day; |
|  | 104) yes, select \* from salespeople order by comm desc; |
|  | 105)select sname,onum,c.snum,odate,amt from orders a join customer b on a.cnum=b.cnum join salespeople c on b.snum=c.snum where not odate between "1996-10-03" and "1996-10-05" group by sname; |
|  | 106)select sname, sum(amt) as sum, count( distinct b.snum) as count from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by sum desc limit 1; |
|  | 107)select count(distinct cnum) from orders; |
|  | 108)select cnum,odate,a.amt,m.snum from orders a,(select max(amt)as maxamt,snum from orders a,customer b where a.cnum=b.cnum group by snum)m where a.amt=maxamt order by m.snum; |
|  | 109)select sname, sum(amt) as sum from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by sum desc limit 1; |
|  | 110)select cname, sum(amt) as sum from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by sum limit 1; |
|  | 111) select sname,amt from customer a join salespeople b on a.snum=b.snum join orders c on a.cnum=c.cnum where amt<200 and sname in("peel", "serres"); |
|  | 112) select a.cname,a.rating from customer a,customer b where a.rating=b.rating group by cname order by rating desc; |
|  | 113)select \* from orders where amt>( select avg(amt) from orders where odate="1996-04-10"); |
|  | 114) select \* from customer a join orders b on a.cnum=b.cnum where amt>(select avg(amt) from orders); |
|  | 115) select cname ,rating from customer where rating > (select avg(rating) from customer where city="San Jose"); |
|  | 116)select sum(amt),sname from salespeople a join customer b on a.snum=b.snum join orders c on b.cnum=c.cnum group by sname> (select max(amt) from orders); |
|  | 117) select snum,sname from salespeople where snum IN(select snum from customer group by snum having count(distinct cnum)>1); |
|  | 118) SELECT a.sname,a.snum FROM Salespeople a,Customer b WHERE a.city=b.city and a.snum!=b.snum group by sname; |
|  | 119)select cname, max(amt), rating from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by max(amt) limit 1; |
|  | 121)select sname, sum(amt) as sum,comm from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by sum desc; |
|  | 122) select sum(a.amt) from orders a,customer b where a.cnum=b.cnum and (b.city="Rome" or b.city="london"); |
|  | select sum(a.amt\* c.comm) as totalsales from orders a,customer b,salespeople c where a.cnum=b.cnum and b.snum=c.snum and (c.city="london" or c.city="new york"); |
|  | 123)select odate,onum,amt,a.city,sname,max(amt) from salespeople a join customer b on a.snum=b.snum join orders c on b.cnum=c.cnum group by sname; |
|  | 124)select sname, sum(amt) as sum from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum group by sname order by sum limit 1; |
|  | 125)select sum(amt) as sum,(sum(amt)\*comm) as total from customer a, salespeople b, orders c where a.cnum=c.cnum and a.snum=b.snum; |
|  |  |
|  |  |