1. Write a SQL statement to Create below table.

**Salesman\_id Name City Commision**

5001 James Hoog New York 0.15

5002 Nail Knite Paris 0.13

5005 Pit Alex London0.11

5006 Mc Lyon Paris 0.14

5003 Lauson Hen Sydney 0.12

5007 Paul Adam Rome 0.13

**create table salesdetails1 (Salesman\_id number(10), Name varchar2(30), City varchar2(30), Commision number(10,2));**

**insert into salesdetails1 values(5001,'James Hoog','New York',0.15);**

**insert into salesdetails1 values(5002,'Nail Knite','Paris',0.13);**

**insert into salesdetails1 values(5005,'Pit Alex','London',0.11);**

**insert into salesdetails1 values(5006,'Mc Lyon','Paris',0.14);**

**insert into salesdetails1 values(5003,'Lauson Hen','Sydney',0.12);**

**insert into salesdetails1 values(5007,'Paul Adam','Rome',0.13);**

select \* from salesdetails1;

output:-

|  |  |  |  |
| --- | --- | --- | --- |
| **SALESMAN\_ID** | **NAME** | **CITY** | **COMMISION** |
| 5001 | James Hoog | New York | .15 |
| 5002 | Nail Knite | Paris | .13 |
| 5005 | Pit Alex | London | .11 |
| 5006 | Mc Lyon | Paris | .14 |
| 5003 | Lauson Hen | Sydney | .12 |
| 5007 | Paul Adam | Rome | .13 |

1. Write a SQL statement to display specific columns like Salesman\_id and Name from above table.

**select Salesman\_id, Name from salesdetails1;**

output:-

|  |  |
| --- | --- |
| **SALESMAN\_ID** | **NAME** |
| 5001 | James Hoog |
| 5002 | Nail Knite |
| 5005 | Pit Alex |
| 5006 | Mc Lyon |
| 5003 | Lauson Hen |
| 5007 | Paul Adam |

1. Write a query to display Name column in accending order from above table.

**select \* from salesdetails1 order by Name;**

output:-

|  |  |  |  |
| --- | --- | --- | --- |
| **SALESMAN\_ID** | **NAME** | **CITY** | **COMMISION** |
| 5001 | James Hoog | New York | .15 |
| 5003 | Lauson Hen | Sydney | .12 |
| 5006 | Mc Lyon | Paris | .14 |
| 5002 | Nail Knite | Paris | .13 |
| 5007 | Paul Adam | Rome | .13 |
| 5005 | Pit Alex | London | .11 |

1. Write a SQL statement for above table to diplay names and city of Salesman, who belongs to the city of Paris.

**select Name, City from salesdetails1 where city='Paris';**

output:-

|  |  |
| --- | --- |
| **NAME** | **CITY** |
| Nail Knite | Paris |
| Mc Lyon | Paris |

1. Write a query on above table to filter those salesmen with all information who comes from any of the cities Paris and Rome.

**select \* from salesdetails1 where city in ('Paris','Rome');**

output:-

|  |  |  |  |
| --- | --- | --- | --- |
| **SALESMAN\_ID** | **NAME** | **CITY** | **COMMISION** |
| 5002 | Nail Knite | Paris | .13 |
| 5006 | Mc Lyon | Paris | .14 |
| 5007 | Paul Adam | Rome | .13 |

1. Write a SQL statement to find those salesmen with all the other information and name started with any letter wining ‘A’ and ‘K’ from above table.

Comments: Here the question is not clear. I’m unable to understand what wining is?

If it is winding/ending with then the query is:-

**select \* from salesdetails1 where Name like '%A' or Name like '%K';**

output:-

no data found

1. Write a SQL statement to display all the information for those customers with a Grade of 200.

**Customer\_id Cust\_name City Grade Salesman\_id**

3002 Nick Rimando New York 100 5001

3005 Graham Zusi California 200 5002

3001 Brad Guzan London 5005

3004 Fabian Johns Paris 300 5006

3007 Brad Davis New York 200 5001

3009 Geoff Camero Berlin 100 5003

3008 Julian Green London 300 5002

3003 Jozy Altidon Moscow 200 5007

create table salesdetails2 (Customer\_id number(10), Cust\_name varchar2(30), City varchar2(30), Grade number(10), Salesman\_id number(10));

insert into salesdetails2 values(3002,'Nick Rimando','New York',100,5001);

insert into salesdetails2 values(3005,'Graham Zusi','California',200,5002);

insert into salesdetails2(Customer\_id, Cust\_name, City, Salesman\_id) values(3001,'Brad Guzan','London',5005);

insert into salesdetails2 values(3007,'Brad Davis','New York',200,5001);

insert into salesdetails2 values(3009,'Geoff Camero','Berlin',100,5003);

insert into salesdetails2 values(3008,'Julian Green','London',300,5002);

insert into salesdetails2 values(3003,'Jozy Altidon','Moscow',200,5007);

**select \* from salesdetails2 where Grade=200;**

output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMER\_ID** | **CUST\_NAME** | **CITY** | **GRADE** | **SALESMAN\_ID** |
| 3005 | Graham Zusi | California | 200 | 5002 |
| 3007 | Brad Davis | New York | 200 | 5001 |
| 3003 | Jozy Altidon | Moscow | 200 | 5007 |

1. Write a SLQ query to calculate the average price of all products of the manufacturer which code is 16.

**Pro\_Id Pro\_Name Pro\_Price Pro\_com**

101 Mother Board 3200 15

102 Key Board 450 16

103 Zip drive 250 14

104 Speaker 550 16

105 Monitor 5000 11

106 DVD drive 900 12

107 CD drive 800 12

108 Printer 2600 13

109 Refill cartridge 350 13

create table salesdetails3 (Pro\_Id number(10), Pro\_Name varchar2(30), Pro\_Price number(10), Pro\_Com number(10));

insert into salesdetails3 values(101,'Mother Board',3200,15);

insert into salesdetails3 values(102,'Key Board',450,16);

insert into salesdetails3 values(103,'Zip drive',250,14);

insert into salesdetails3 values(104,'Speaker',550,16);

insert into salesdetails3 values(105,'Monitor',5000,11);

insert into salesdetails3 values(106,'DVD drive',900,12);

insert into salesdetails3 values(107,'CD drive',800,12);

insert into salesdetails3 values(108,'Printer',2600,13);

insert into salesdetails3 values(109,'Refill cartridge',350,13);

**select AVG(Pro\_Price) from salesdetails3 group by Pro\_com having Pro\_com=16;**

output:-

|  |
| --- |
| **AVG(PRO\_PRICE)** |
| 500 |

1. Write a SQL query to find the name and price of the cheapest item from above table.

**select Pro\_Name, Pro\_Price from salesdetails3 where Pro\_Price=(select MIN(Pro\_Price) from salesdetails3);**

output:-

|  |  |
| --- | --- |
| **PRO\_NAME** | **PRO\_PRICE** |
| Zip drive | 250 |

1. Write a query in SQL to find the last name of all employees, without duplicates.

**Emp\_IDNO EMP\_Fname EMP\_Lname EMP\_Dept**

127323 Michale Robbin 57

526689 Carlos Snares 63

843795 Enric Dasio 57

328717 Jhon Snares 63

444527 Joseph Dosni 47

659831 Zanifer Emily 47

847674 Kuleswar Sitaraman 57

748681 Hanrey Gabriel 47

555935 Alex Manuel 57

539569 George Mardy 27

733843 Mario Saule 63

631548 Alan Snappy 27

839139 Maria Foster 57

create table salesdetails4 (Emp\_IDNO number(10), EMP\_Fname varchar2(30), EMP\_Lname varchar2(30), EMP\_Dept number(10));

insert into salesdetails4 values(127323,'Michale','Robbin',57);

insert into salesdetails4 values(526689,'Carlos','Snares',63);

insert into salesdetails4 values(843795,'Enric','Dasio',57);

insert into salesdetails4 values(328717,'Jhon','Snares',63);

insert into salesdetails4 values(444527,'Joseph','Dosni',47);

insert into salesdetails4 values(659831,'Zanifer','Emily',47);

insert into salesdetails4 values(847674,'Kuleswar','Sitaraman',57);

insert into salesdetails4 values(748681,'Hanrey','Gabriel',47);

insert into salesdetails4 values(555935,'Alex','Manuel',57);

insert into salesdetails4 values(539569,'George','Mardy',27);

insert into salesdetails4 values(733843,'Mario','Saule',63);

insert into salesdetails4 values(631548,'Alan','Snappy',27);

insert into salesdetails4 values(839139,'Maria','Foster',57);

**Select distinct EMP\_Lname from salesdetails4;**

Output:-

|  |
| --- |
| **EMP\_LNAME** |
| Manuel |
| Snappy |
| Dasio |
| Mardy |
| Foster |
| Robbin |
| Snares |
| Sitaraman |
| Saule |
| Emily |
| Dosni |
| Gabriel |

1. Write a query to display all customers with a grade above 100

**Customer\_id Cust\_name City Grade Salesman\_id**

3002 Nick Rimando New York 100 5001

3005 Graham Zusi California 200 5002

3001 Brad Guzan London 5005

3004 Fabian Johns Paris 300 5006

3007 Brad Davis New York 200 5001

3009 Geoff Camero Berlin 100 5003

3008 Julian Green London 300 5002

3003 Jozy Altidon Moscow 200 5007

**select \* from salesdetails2 where Grade>100;**

output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMER\_ID** | **CUST\_NAME** | **CITY** | **GRADE** | **SALESMAN\_ID** |
| 3005 | Graham Zusi | California | 200 | 5002 |
| 3007 | Brad Davis | New York | 200 | 5001 |
| 3008 | Julian Green | London | 300 | 5002 |
| 3003 | Jozy Altidon | Moscow | 200 | 5007 |

1. Write a SQL statement to display all customers, who are either belongs to the city New York or had a grade above 100 from above table.

**select \* from salesdetails2 where Grade>100 or city='New York';**

output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMER\_ID** | **CUST\_NAME** | **CITY** | **GRADE** | **SALESMAN\_ID** |
| 3002 | Nick Rimando | New York | 100 | 5001 |
| 3005 | Graham Zusi | California | 200 | 5002 |
| 3007 | Brad Davis | New York | 200 | 5001 |
| 3008 | Julian Green | London | 300 | 5002 |
| 3003 | Jozy Altidon | Moscow | 200 | 5007 |

1. Write a SQL query to display those customers who are neither belongs to the city New York nor grade values is more than 100 from above table.

**select \* from salesdetails2 where Grade<=100 and city not in ('New York');**

output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMER\_ID** | **CUST\_NAME** | **CITY** | **GRADE** | **SALESMAN\_ID** |
| 3009 | Geoff Camero | Berlin | 100 | 5003 |

1. Write a SQL statement to display either those orders which are not issued on date 2012-09-10 and issued by the salesman whose ID is 505 and below or those orders which purchase amount is 1000.00 and below.

**ord\_no purch\_amt ord\_date custmoer\_id salesman\_id**

70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

70013 3045.6 2012-04-25 3002 5001

create table salesdetails5(ord\_no number(30), purch\_amt number(30,2), ord\_date date, customer\_id number(30), salesman\_id number(30));

insert into salesdetails5 values(70001,150.5,'05-oct-12',3005,5002);

insert into salesdetails5 values(70009,270.65,'10-sep-12',3001,5005);

insert into salesdetails5 values(70002,65.26,'05-oct-12',3002,5001);

insert into salesdetails5 values(70004,110.5,'17-aug-12',3009,5003);

insert into salesdetails5 values(70007,948.5,'10-sep-12',3005,5002);

insert into salesdetails5 values(70005,2400.6,'27-jul-12',3007,5001);

insert into salesdetails5 values(70008,5760,'10-sep-12',3002,5001);

insert into salesdetails5 values(70010,1983.43,'10-oct-12',3004,5006);

insert into salesdetails5 values(70003,2480.4,'10-oct-12',3009,5003);

insert into salesdetails5 values(70012,250.45,'27-jul-12',3008,5002);

insert into salesdetails5 values(70011,75.29,'17-aug-12',3003,5007);

insert into salesdetails5 values(70013,3045.6,'25-apr-12',3002,5001);

**Select \* from salesdetails5 where (ord\_date not in ('10-SEP-12') and salesman\_id<=5005) or purch\_amt<=1000.00;**

Output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ORD\_NO** | **PURCH\_AMT** | **ORD\_DATE** | **CUSTOMER\_ID** | **SALESMAN\_ID** |
| 70001 | 150.5 | 05-OCT-12 | 3005 | 5002 |
| 70009 | 270.65 | 10-SEP-12 | 3001 | 5005 |
| 70002 | 65.26 | 05-OCT-12 | 3002 | 5001 |
| 70004 | 110.5 | 17-AUG-12 | 3009 | 5003 |
| 70007 | 948.5 | 10-SEP-12 | 3005 | 5002 |
| 70005 | 2400.6 | 27-JUL-12 | 3007 | 5001 |
| 70003 | 2480.4 | 10-OCT-12 | 3009 | 5003 |
| 70012 | 250.45 | 27-JUL-12 | 3008 | 5002 |
| 70011 | 75.29 | 17-AUG-12 | 3003 | 5007 |
| 70013 | 3045.6 | 25-APR-12 | 3002 | 5001 |

1. Write a SQL statement for above table where i) order dates are anything but not 2012-08-17 or customer\_id is not greater than 3005. Ii) and purchase amount is not below 1000.

**Select \* from salesdetails5 where (ord\_date not in ('17-AUG-12') or customer\_id<=3005) and purch\_amt>=1000;**

Output:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ORD\_NO** | **PURCH\_AMT** | **ORD\_DATE** | **CUSTOMER\_ID** | **SALESMAN\_ID** |
| 70005 | 2400.6 | 27-JUL-12 | 3007 | 5001 |
| 70008 | 5760 | 10-SEP-12 | 3002 | 5001 |
| 70010 | 1983.43 | 10-OCT-12 | 3004 | 5006 |
| 70003 | 2480.4 | 10-OCT-12 | 3009 | 5003 |
| 70013 | 3045.6 | 25-APR-12 | 3002 | 5001 |