

Assignment – 19

Views.

1) Create a view that shows all of the customers who have the highest ratings.

Ans:

create view HighestRatedCustomers as

-> select * from customers

-> where rating =(select max(rating) from customers);

Cnum	Cname	City	Rating	Snum
2002	Giovanni	Rome	300	1003
2004	Grass	Berlin	300	1004
2008	Cisneros	San Jose	300	1007

2) Create a view that shows the number of salespeople in each city.

Ans: create view SalespeopleinCity as

-> select City, count(*) as 'Salespeople Count'

-> from Salespeople

-> group by city;

City	Salespeople Count
London	2
San Jose	2
Barcelona	1
New York	1

3) Create a view that shows the average and total orders for each salesperson after his or her name. Assume all names are unique.

Ans: select s.sname,avg(o.amt) as 'Average Order Amount', sum(o.amt) as 'Total Order Amount'

-> from salespeople s

-> join orders o on s.snum=o.snum

-> group by s.sname;

sname	Average Order Amount	Total Order Amount
Peel	767.190002	767.19
Serres	2182.050049	6546.15
Motika	1900.099976	1900.10
Rifkin	558.425017	1116.85
Axelrod	1713.229980	1713.23

4) Create a view that shows each salesperson with multiple customers.

Ans: CREATE VIEW SalespeopleMultipleCustomers AS

-> SELECT s.sname, COUNT(DISTINCT c.cnum) AS customer_count

-> FROM salespeople s

-> JOIN customers c ON s.snum = c.snum

-> GROUP BY s.sname

-> HAVING COUNT(DISTINCT c.cnum) > 1;

sname	customer_count
Motika	3