Assignment – 16
Creating Tables and Indexes.

1) Write a command that will enable a user to pull orders grouped by date out of the Orders table quickly.

```
select distinct odate, cnum, snum, onum, amt from orders_dac227
group by odate, cnum, snum, onum, amt
order by odate
```

O/P:-

ODATE	CNUM	SNUM	ONUM	AMT
10/03/1990	2001	1001	3003	767.19
10/03/1990	2003	1004	3005	5160.45
10/03/1990	2007	1004	3002	1900.1
10/03/1990	2008	1007	3001	18.69
10/03/1990	2008	1007	3006	1098.16
10/04/1990	2002	1003	3009	1713.23
10/04/1990	2002	1003	3011	1713.23
10/04/1990	2004	1004	3007	75.75
10/06/1990	2004	1004	3010	309.95

9 rows returned in 0.00 seconds

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2) If the Orders table has already been created, how can you force the onum field to be unique (assume all current values are unique)?

```
ALTER TABLE orders_dac227
add CONSTRAINT onum_unique1 UNIQUE (onum);
```

3) Create an index that would permit each salesperson to retrieve his or her orders grouped by date quickly.

```
create index indx_228
on
ordersvs(snum);

select rowid, odate, cnum, snum, onum, amt from orders_dac227
group by odate, rowid, cnum, snum, onum, amt
order by odate
```

4) Let us suppose that each salesperson is to have only one customer of a given rating, and that this is currently the case. Enter a command that enforces it.

```
ALTER TABLE customers_dac227
add CONSTRAINT rating_unique1 UNIQUE (snum, rating);


insert into customers_dac227
values(2013, 'Paritosh', 'Pune', 300, 1003)
```