## Assignment – 16 Creating Tables and Indexes.

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

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)?

W1_Minal_93084>show inc	(onum); ted (0.20 sec) : 0 Warnings: 0												
Table   Non_unique   Index_type   Comment	Key_name   Index_comment   Visible	Seq_in_index   Expression	Column_name		Cardinality								
orders 0	PRIMARY	1	+ Onum	I A	10	NULL	NULL						
BTREE   0	unique_onum   YES	NULL 1	Onum	A	19		NULL						
BTREE   0	idx_unique_onum	NULL 1	Onum	A	10	NULL	NULL	1 1					
BTREE     orders   9   BTREE	YES   UQ_Orders_onum     YES	NULL   NULL	Onum	A	10	NULL	NULL						
orders 1	idx_orders_odate   YES	NULL 1	Odate	A	4	NULL	NULL	YES					
orders 1	idx_orders_date	1	Odate	A	4	NULL	NULL	YES					
BTREE     orders   1	YES   idx_orders_snum_odate	NULL 1	Snum	A	5	NULL	NULL	YES					
BTREE     orders   1   BTREE	YES   idx_orders_snum_odate     YES	NULL 2	Odate	A	9	NULL	NULL	YES					
+	8 rows in set (0.04 sec)												

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

		dex from orders;	+		+	+	+	+		+	_
	unique		Seq_in_ir e   Express	ndex sion	Column_name		Cardinality				
orders	8	PRIMARY	r i	1	Onum	A	10	NULL	NULL		
BTREE   orders   BTREE	0	YES   unique_onum   YES	NULL	1	Onum	A	10	NULL	NULL		
orders   STREE	0	idx_unique_onum	NULL	1	Onum	A	10	NULL	NULL		
orders   BTREE	0	UQ_Orders_onum YES	NULL	1	Onum	A	10	NULL	NULL		I
orders   STREE	1	idx_orders_odate   YES	NULL	1	Odate	A	4	NULL	NULL	YES	I
orders   BTREE	1	idx_orders_date   YES	NULL	1	Odate	A	4	NULL	NULL	YES	ı
orders STREE	1	idx_orders_snum_odate   YES	NULL	1	Snum	A	5	NULL	NULL		
orders   BTREE	1	idx_orders_snum_odate	NULL	2	Odate	A	9	NULL	NULL		
orders   BTREE	1	i_Date   YES	NULL	1	Odate	A	1 4	NULL	NULL	YES	ı

4) Let us assume 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.

```
W1_Minal_93084>create index i_Snum on orders(Snum);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
W1_Minal_93084>create index i_Snum on customers(Snum);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
W1_Minal_93084>select distinct orders.Snum,Rating from orders,customers
    -> where Orders.Snum = Customers.Snum;
  Snum | Rating |
  1001 |
            100
  1003
            200
  1002
            200
            300
  1002
  1007
            300
  1004
            100
6 rows in set (0.00 sec)
```