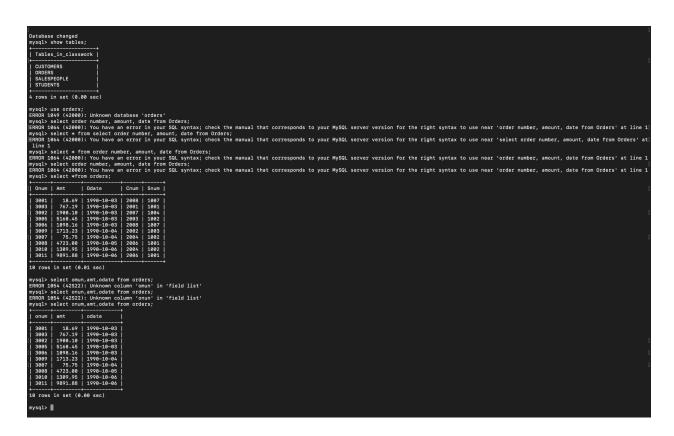# Assignment No 4

Retrieving Information from Tables.

1) Write a select command that produces the order number, amount, and date for all rows in the Orders table.

 Ans- select onum, amt, odate from orders;

```
Database changed
mysql> show tables;
+---------------------+
| Tables_in_classwork |
+---------------------+
| CUSTOMERS           |
| ORDERS              |
| SALESPEOPLE         |
| STUDENTS            |
+---------------------+
4 rows in set (0.00 sec)

mysql> use orders;
ERROR 1049 (42000): Unknown database 'orders'
mysql> select order number, amount, date from Orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'order number, amount, date from Orders' at line 1
mysql> select * from select order number, amount, date from Orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select order number, amount, date from Orders' at line 1
mysql> select * from order number, amount, date from Orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'order number, amount, date from Orders' at line 1
mysql> select order number, amount, date from Orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'order number, amount, date from Orders' at line 1
mysql> select *from orders;
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 |  767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 |   75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+------+---------+------------+------+------+
10 rows in set (0.01 sec)

mysql> select omun,amt,odate from orders;
ERROR 1054 (42S22): Unknown column 'omun' in 'field list'
mysql> select onun,amt,odate from orders;
ERROR 1054 (42S22): Unknown column 'onun' in 'field list'
mysql> select onum,amt,odate from orders;
+------+---------+------------+
| onum | amt     | odate      |
+------+---------+------------+
| 3001 |   18.69 | 1990-10-03 |
| 3003 |  767.19 | 1990-10-03 |
| 3002 | 1900.10 | 1990-10-03 |
| 3005 | 5160.45 | 1990-10-03 |
| 3006 | 1098.16 | 1990-10-03 |
| 3009 | 1713.23 | 1990-10-04 |
| 3007 |   75.75 | 1990-10-04 |
| 3008 | 4723.00 | 1990-10-05 |
| 3010 | 1309.95 | 1990-10-06 |
| 3011 | 9891.88 | 1990-10-06 |
+------+---------+------------+
10 rows in set (0.00 sec)

mysql>
```

2) Write a query that produces all rows from the Customers table for which the salesperson's number is 1001.

```
mysql> show tables;
+--------------------+
| Tables_in_classwork |
+--------------------+
| CUSTOMERS          |
| ORDERS             |
| SALESPEOPLE        |
| STUDENTS           |
+--------------------+
4 rows in set (0.00 sec)

mysql> select * from customers;
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2001 | Hoffman  | London   |    100 | 1001 |
| 2002 | Giovanni | Rome     |    200 | 1003 |
| 2003 | Liu      | San Jose |    200 | 1002 |
| 2004 | Grass    | Berlin   |    300 | 1002 |
| 2006 | Clemens  | London   |    100 | 1001 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
| 2007 | Pereira  | Rome     |    100 | 1004 |
+------+----------+----------+--------+------+
7 rows in set (0.01 sec)

mysql> select *from customers
    -> where snum=1001;
+------+---------+--------+--------+------+
| Cnum | Cname   | City   | Rating | Snum |
+------+---------+--------+--------+------+
| 2001 | Hoffman | London |    100 | 1001 |
| 2006 | Clemens | London |    100 | 1001 |
+------+---------+--------+--------+------+
2 rows in set (0.00 sec)

mysql>
```

cmd-
 select *from customers
where snum=1001;

3) Write a query that displays the Salespeople table with the columns in the following order: city, sname, snum, comm.
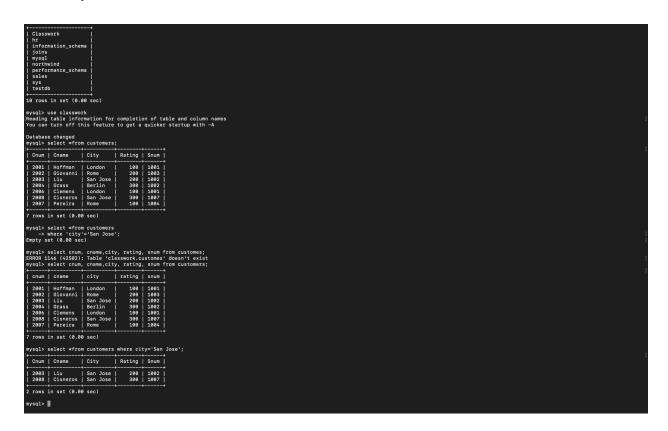 cmd-
select city, sname, snum, comm from Salespeople;

```
mysql> show tables;
+--------------------+
| Tables_in_classwork |
+--------------------+
| CUSTOMERS          |
| ORDERS             |
| SALESPEOPLE        |
| STUDENTS           |
+--------------------+
4 rows in set (0.00 sec)

mysql> select *from salespeople;
+------+---------+----------+------+
| Snum | Sname   | City     | Comm |
+------+---------+----------+------+
| 1001 | Peel    | London   | 0.12 |
| 1002 | Serres  | San Jose | 0.13 |
| 1004 | Motika  | London   | 0.11 |
| 1007 | Rifin   | Barcelona| 0.15 |
| 1003 | Axelrod | New York |  0.1 |
+------+---------+----------+------+
5 rows in set (0.00 sec)

mysql> select city,sname,snum,comm from salespeople;
+----------+---------+------+------+
| city     | sname   | snum | comm |
+----------+---------+------+------+
| London   | Peel    | 1001 | 0.12 |
| San Jose | Serres  | 1002 | 0.13 |
| London   | Motika  | 1004 | 0.11 |
| Barcelona| Rifin   | 1007 | 0.15 |
| New York | Axelrod | 1003 |  0.1 |
+----------+---------+------+------+
5 rows in set (0.00 sec)

mysql>
```

4) Write a select command that produces the rating followed by the name of each customer in San Jose.

select *from customers
where city='San Jone';

```
+--------------------+
| Classwork          |
| hr                 |
| information_schema |
| joins              |
| mysql              |
| northwind          |
| performance_schema |
| sales              |
| sys                |
| testdb             |
+--------------------+
10 rows in set (0.00 sec)

mysql> use classwork
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select *from customers;
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2001 | Hoffman  | London   |    100 | 1001 |
| 2002 | Giovanni | Rome     |    200 | 1003 |
| 2003 | Liu      | San Jose |    200 | 1002 |
| 2004 | Grass    | Berlin   |    300 | 1002 |
| 2006 | Clemens  | London   |    100 | 1001 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
| 2007 | Pereira  | Rome     |    100 | 1004 |
+------+----------+----------+--------+------+
7 rows in set (0.00 sec)

mysql> select *from customers
    -> where 'city'='San Jose';
Empty set (0.00 sec)

mysql> select cnum, cname,city, rating, snum from customes;
ERROR 1146 (42S02): Table 'classwork.customes' doesn't exist
mysql> select cnum, cname,city, rating, snum from customers;
+------+----------+----------+--------+------+
| cnum | cname    | city     | rating | snum |
+------+----------+----------+--------+------+
| 2001 | Hoffman  | London   |    100 | 1001 |
| 2002 | Giovanni | Rome     |    200 | 1003 |
| 2003 | Liu      | San Jose |    200 | 1002 |
| 2004 | Grass    | Berlin   |    300 | 1002 |
| 2006 | Clemens  | London   |    100 | 1001 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
| 2007 | Pereira  | Rome     |    100 | 1004 |
+------+----------+----------+--------+------+
7 rows in set (0.00 sec)

mysql> select *from customers where city='San Jose';
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2003 | Liu      | San Jose |    200 | 1002 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
2 rows in set (0.00 sec)

mysql>
```

5) Write a query that will produce the snum values of all salespeople (suppress the duplicates) with orders in the Orders table.

```
mysql> sysql> select *from orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'frrct *from orders' at line 1
mysql> use classwork;
Database changed
mysql> select *from orders;
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 |  767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 |   75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+------+---------+------------+------+------+
10 rows in set (0.01 sec)

mysql> select distinct snum from orders;
+------+
| snum |
+------+
| 1007 |
| 1001 |
| 1004 |
| 1002 |
| 1003 |
+------+
5 rows in set (0.01 sec)

mysql> select *from Customers
```