# SQL TASK

```
sql> savepoint c;
ery OK, 0 rows affected (0.00 sec)

sql> select age,count(*) from students2
    -> ;
ROR 1140 (42000): In aggregated query without GROUP BY, expression #
of SELECT list contains nonaggregated column '6r_batch.students2.age
 this is incompatible with sql_mode=only_full_group_by
sql> rollback to b;
ery OK, 0 rows affected (0.03 sec)

sql> select * from students2;
+-----+---------+------+------------+
| id  | name    | age  | city       |
+-----+---------+------+------------+
| 201 | vinay   |   21 | hyderabad  |
| 202 | vinila  |   23 | hyderabad  |
| 203 | pranay  |   26 | hyderabad  |
| 204 | vimala  |   28 | karimnagar |
| 205 | anji    |   21 | warangal   |
| 206 | vijay   |   26 | hyderabad  |
| 207 | ajay    |   21 | karimnagar |
| 208 | prachi  |   25 | karimnagar |
| 209 | nadish  |   20 | warangal   |
| 210 | raj     |   23 | karimnagar |
| 211 | vinay   |   26 | zehirabad  |
| 212 | manohar |   27 | karimnagar |
| 213 | naresh  |   25 | warangal   |
| 214 | pranay  |   28 | karimnagar |
| 215 | ram     |   21 | zehirabad  |
| 220 | layman  |   22 | bangalore  |
| 221 | ayan    |   25 | adilabad   |
+-----+---------+------+------------+
 rows in set (0.00 sec)
```

```
| 205 | anji    |   21 | warangal   |
| 206 | vijay   |   26 | hyderabad  |
| 207 | ajay    |   21 | karimnagar |
| 208 | prachi  |   25 | karimnagar |
| 209 | nadish  |   20 | warangal   |
| 210 | raj     |   23 | karimnagar |
| 211 | vinay   |   26 | zehirabad  |
| 212 | manohar |   27 | karimnagar |
| 213 | naresh  |   25 | warangal   |
| 214 | pranay  |   28 | karimnagar |
| 215 | ram     |   21 | zehirabad  |
+-----+---------+------+------------+
15 rows in set (0.00 sec)

mysql> select * from students2;
+-----+---------+------+------------+
| id  | name    | age  | city       |
+-----+---------+------+------------+
| 201 | vinay   |   21 | hyderabad  |
| 202 | vinila  |   23 | hyderabad  |
| 203 | pranay  |   26 | hyderabad  |
| 204 | vimala  |   28 | karimnagar |
| 205 | anji    |   21 | warangal   |
| 206 | vijay   |   26 | hyderabad  |
| 207 | ajay    |   21 | karimnagar |
| 208 | prachi  |   25 | karimnagar |
| 209 | nadish  |   20 | warangal   |
| 210 | raj     |   23 | karimnagar |
| 211 | vinay   |   26 | zehirabad  |
| 212 | manohar |   27 | karimnagar |
| 213 | naresh  |   25 | warangal   |
| 214 | pranay  |   28 | karimnagar |
| 215 | ram     |   21 | zehirabad  |
+-----+---------+------+------------+
15 rows in set (0.02 sec)
```

# Save point A&B

```
| 212 | manohar  | 27 | karimnagar |
| 213 | naresh   | 25 | warangal   |
| 214 | pranay   | 28 | karimnagar |
| 215 | ram      | 21 | zehirabad  |
| 220 | layman   | 22 | bangalore  |
| 221 | ayan     | 25 | adilabad   |
+-----+----------+----+------------+
7 rows in set (0.00 sec)

mysql> insert into students2(id,name,age,city) values(225,"manoj",22,"
nirmal");
Query OK, 1 row affected (0.03 sec)

mysql> select * from students2;
+-----+----------+-----+------------+
| id  | name     | age | city       |
+-----+----------+-----+------------+
| 201 | vinay    | 21  | hyderabad  |
| 202 | vinila   | 23  | hyderabad  |
| 203 | pranay   | 26  | hyderabad  |
| 204 | vimala   | 28  | karimnagar |
| 205 | anji     | 21  | warangal   |
| 206 | vijay    | 26  | hyderabad  |
| 207 | ajay     | 21  | karimnagar |
| 208 | prachi   | 25  | karimnagar |
| 209 | nadish   | 20  | warangal   |
| 210 | raj      | 23  | karimnagar |
| 211 | vinay    | 26  | zehirabad  |
| 212 | manohar  | 27  | karimnagar |
| 213 | naresh   | 25  | warangal   |
| 214 | pranay   | 28  | karimnagar |
| 215 | ram      | 21  | zehirabad  |
| 220 | layman   | 22  | bangalore  |
| 221 | ayan     | 25  | adilabad   |
| 225 | manoj    | 22  | nirmal     |
+-----+----------+-----+------------+
8 rows in set (0.02 sec)

mysql>
```

```
| 203 | pranay  | 26 | hyderabad  |
| 204 | vimala  | 28 | karimnagar |
| 205 | anji    | 21 | warangal   |
| 206 | vijay   | 26 | hyderabad  |
| 207 | ajay    | 21 | karimnagar |
| 208 | prachi  | 25 | karimnagar |
| 209 | nadish  | 20 | warangal   |
| 210 | raj     | 23 | karimnagar |
| 211 | vinay   | 26 | zehirabad  |
| 212 | manohar | 27 | karimnagar |
| 213 | naresh  | 25 | warangal   |
| 214 | pranay  | 28 | karimnagar |
| 215 | ram     | 21 | zehirabad  |
+-----+---------+----+------------+
15 rows in set (0.00 sec)

mysql> select * from students2;
+-----+---------+-----+------------+
| id  | name    | age | city       |
+-----+---------+-----+------------+
| 201 | vinay   | 21  | hyderabad  |
| 202 | vinila  | 23  | hyderabad  |
| 203 | pranay  | 26  | hyderabad  |
| 204 | vimala  | 28  | karimnagar |
| 205 | anji    | 21  | warangal   |
| 206 | vijay   | 26  | hyderabad  |
| 207 | ajay    | 21  | karimnagar |
| 208 | prachi  | 25  | karimnagar |
| 209 | nadish  | 20  | warangal   |
| 210 | raj     | 23  | karimnagar |
| 211 | vinay   | 26  | zehirabad  |
| 212 | manohar | 27  | karimnagar |
| 213 | naresh  | 25  | warangal   |
| 214 | pranay  | 28  | karimnagar |
| 215 | ram     | 21  | zehirabad  |
+-----+---------+-----+------------+
15 rows in set (0.02 sec)

mysql>
```

# Save Point C & Rollback to B

```
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql> insert into students2(id,name,age,city) values(221,"ayan",25,"a
dilabad");
Query OK, 1 row affected (0.02 sec)

mysql> savepoint b;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from students2;
+-----+----------+-----+------------+
| id  | name     | age | city       |
+-----+----------+-----+------------+
| 201 | vinay    | 21  | hyderabad  |
| 202 | vinila   | 23  | hyderabad  |
| 203 | pranay   | 26  | hyderabad  |
| 204 | vimala   | 28  | karimnagar |
| 205 | anji     | 21  | warangal   |
| 206 | vijay    | 26  | hyderabad  |
| 207 | ajay     | 21  | karimnagar |
| 208 | prachi   | 25  | karimnagar |
| 209 | nadish   | 20  | warangal   |
| 210 | raj      | 23  | karimnagar |
| 211 | vinay    | 26  | zehirabad  |
| 212 | manohar  | 27  | karimnagar |
| 213 | naresh   | 25  | warangal   |
| 214 | pranay   | 28  | karimnagar |
| 215 | ram      | 21  | zehirabad  |
| 220 | layman   | 22  | bangalore  |
| 221 | ayan     | 25  | adilabad   |
+-----+----------+-----+------------+
17 rows in set (0.00 sec)

mysql>
```

```
| 203 | pranay  | 26 | hyderabad  |
| 204 | vimala  | 28 | karimnagar |
| 205 | anji    | 21 | warangal   |
| 206 | vijay   | 26 | hyderabad  |
| 207 | ajay    | 21 | karimnagar |
| 208 | prachi  | 25 | karimnagar |
| 209 | nadish  | 20 | warangal   |
| 210 | raj     | 23 | karimnagar |
| 211 | vinay   | 26 | zehirabad  |
| 212 | manohar | 27 | karimnagar |
| 213 | naresh  | 25 | warangal   |
| 214 | pranay  | 28 | karimnagar |
| 215 | ram     | 21 | zehirabad  |
+-----+---------+----+------------+
15 rows in set (0.00 sec)

mysql> select * from students2;
+-----+---------+-----+------------+
| id  | name    | age | city       |
+-----+---------+-----+------------+
| 201 | vinay   | 21  | hyderabad  |
| 202 | vinila  | 23  | hyderabad  |
| 203 | pranay  | 26  | hyderabad  |
| 204 | vimala  | 28  | karimnagar |
| 205 | anji    | 21  | warangal   |
| 206 | vijay   | 26  | hyderabad  |
| 207 | ajay    | 21  | karimnagar |
| 208 | prachi  | 25  | karimnagar |
| 209 | nadish  | 20  | warangal   |
| 210 | raj     | 23  | karimnagar |
| 211 | vinay   | 26  | zehirabad  |
| 212 | manohar | 27  | karimnagar |
| 213 | naresh  | 25  | warangal   |
| 214 | pranay  | 28  | karimnagar |
| 215 | ram     | 21  | zehirabad  |
+-----+---------+-----+------------+
15 rows in set (0.02 sec)

mysql>
```

# commit

Left panel:

```
| 213 | naresh  | 25 | warangal   |
| 214 | pranay  | 28 | karimnagar |
| 215 | ram     | 21 | zehirabad  |
| 220 | layman  | 22 | bangalore  |
| 221 | ayan    | 25 | adilabad   |
+-----+---------+----+------------+
17 rows in set (0.00 sec)

mysql> commit;
Query OK, 0 rows affected (0.06 sec)

mysql> select * from students2;
+-----+---------+-----+------------+
| id  | name    | age | city       |
+-----+---------+-----+------------+
| 201 | vinay   | 21  | hyderabad  |
| 202 | vinila  | 23  | hyderabad  |
| 203 | pranay  | 26  | hyderabad  |
| 204 | vimala  | 28  | karimnagar |
| 205 | anji    | 21  | warangal   |
| 206 | vijay   | 26  | hyderabad  |
| 207 | ajay    | 21  | karimnagar |
| 208 | prachi  | 25  | karimnagar |
| 209 | nadish  | 20  | warangal   |
| 210 | raj     | 23  | karimnagar |
| 211 | vinay   | 26  | zehirabad  |
| 212 | manohar | 27  | karimnagar |
| 213 | naresh  | 25  | warangal   |
| 214 | pranay  | 28  | karimnagar |
| 215 | ram     | 21  | zehirabad  |
| 220 | layman  | 22  | bangalore  |
| 221 | ayan    | 25  | adilabad   |
+-----+---------+-----+------------+
17 rows in set (0.00 sec)

mysql>
```

Right panel:

```
| 208 | prachi  | 25 | karimnagar |
| 209 | nadish  | 20 | warangal   |
| 210 | raj     | 23 | karimnagar |
| 211 | vinay   | 26 | zehirabad  |
| 212 | manohar | 27 | karimnagar |
| 213 | naresh  | 25 | warangal   |
| 214 | pranay  | 28 | karimnagar |
| 215 | ram     | 21 | zehirabad  |
+-----+---------+----+------------+
15 rows in set (0.00 sec)

mysql> select * from students2;
+-----+---------+-----+------------+
| id  | name    | age | city       |
+-----+---------+-----+------------+
| 201 | vinay   | 21  | hyderabad  |
| 202 | vinila  | 23  | hyderabad  |
| 203 | pranay  | 26  | hyderabad  |
| 204 | vimala  | 28  | karimnagar |
| 205 | anji    | 21  | warangal   |
| 206 | vijay   | 26  | hyderabad  |
| 207 | ajay    | 21  | karimnagar |
| 208 | prachi  | 25  | karimnagar |
| 209 | nadish  | 20  | warangal   |
| 210 | raj     | 23  | karimnagar |
| 211 | vinay   | 26  | zehirabad  |
| 212 | manohar | 27  | karimnagar |
| 213 | naresh  | 25  | warangal   |
| 214 | pranay  | 28  | karimnagar |
| 215 | ram     | 21  | zehirabad  |
| 220 | layman  | 22  | bangalore  |
| 221 | ayan    | 25  | adilabad   |
+-----+---------+-----+------------+
17 rows in set (0.00 sec)

mysql>
```