Query1:

Query2:

```
Mysql> client — ① X
mysql> select p.i_id,p.name,p.department_name,p.salary from instructor as p,instructor as q where p.department_name=q.department_name group by q. A
department_name having p.salary<(0.35*max(q.salary));
+-----+
| i_id | name | department_name | salary |
+----+
| 5 | PANKGRRTK | SWE | 49478.00 |
+----+
1 row in set (24.68 sec)

mysql> _
```

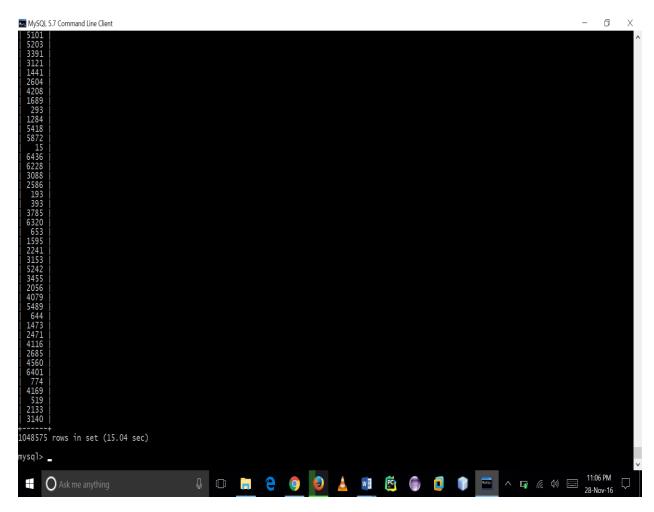
Query3:

Query4:

Query5:

```
mysql> select department_name,max(salary),min(salary),avg(salary) from instructor group by department_name;
 department_name | max(salary) | min(salary) | avg(salary)
                        149722.00
149733.00
                                         30042.00 |
30039.00 |
                                                    90408.586089
 BIO
                                                     86951.111515
 CHM
                                                    89573.830409
91265.820099
                                         30061.00
 CSE
                        149851.00
 ECE
                        149991.00
                                         30315.00
                                                    90625.215054
91004.206494
91069.045232
                        149762.00
                                         30292.00
 HUM
                                         30353.00
                        149763.00
 MTH
                        149813.00
                                         30091.00
 PSY
                        149844.00
                                         30049.00 | 89622.046318
 SWE
 rows in set (0.05 sec)
mysql> _
```

Query6:



Query7:



Query#	Running Time	Additional Comments
Query1	0.04sec	
Query2	24.68sec	
Query3	0.08sec	
Query4	7.78sec	
Query5	0.05sec	
Query6	15.04sec	
Query7	0.05sec	

Lavanya Vattikuti Hetalba Rathod Shreyas Ramnath Rahul madhumanchi gananath