

| Query ID | Optimization Method | Before Optimization (ms) | After Optimization (ms) |
|----------|--|--------------------------|-------------------------|
| Q3 | Increase Buffer Pool Size from 8 MB to 1 GB | 4453 | 331 |
| Q7 | Add posted_month and posted_year to tweet then avoid using month() and year() functions. | 16 | 0 |
| Q9 | Add index on twitter user (subcategory) | 16 | 0 |
| Q16 | Add posted_month and posted_year to tweet then avoid using month() and year() functions. | 250 | 125 |
| Q18 | Increase Buffer Pool Size from 8 MB to 1 GB | 1500 | 180 |
| Q23 | Add index on twitter user (subcategory) | 140 | 78 |