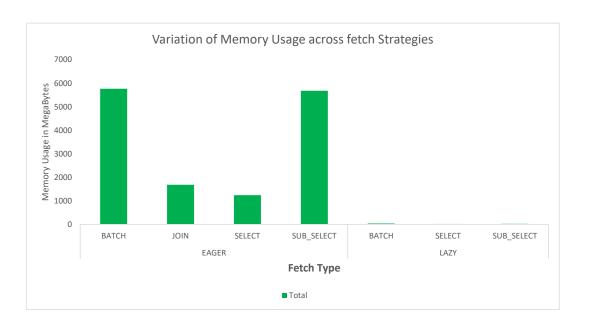
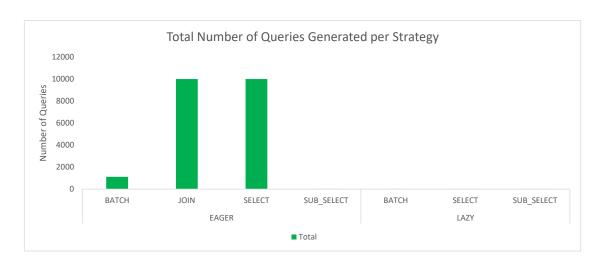
| fetch_type         | fetch_mode | Sum of memory_usage(MB) |
|--------------------|------------|-------------------------|
| EAGER              | BATCH      | 5766.845062             |
|                    | JOIN       | 1684.389496             |
|                    | SELECT     | 1240.811562             |
|                    | SUB_SELECT | 5680.485992             |
| <b>EAGER Total</b> |            | 14372.53211             |
| LAZY               | BATCH      | 35.90737915             |
|                    | SELECT     | 17.87014008             |
|                    | SUB_SELECT | 19.57609558             |
| LAZY Total         |            | 73.35361481             |
| <b>Grand Total</b> |            | 14445.88573             |



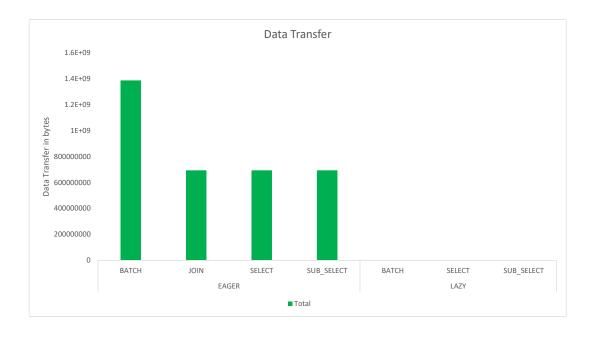
| fetch_mode | Sum of overall_execution_time |
|------------|-------------------------------|
| BATCH      | 300018                        |
| JOIN       | 225083                        |
| SELECT     | 221524                        |
| SUB_SELECT | 233604                        |
|            | 980229                        |
| BATCH      | 1929                          |
| SELECT     | 683                           |
| SUB_SELECT | 690                           |
|            | 3302                          |
|            | 983531                        |

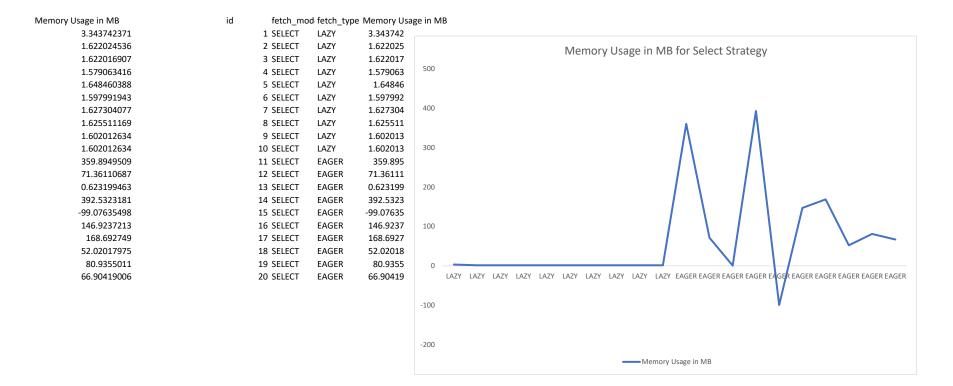


| fetch_type         | fetch_mode | Sum of no_of_sql_queries |  |
|--------------------|------------|--------------------------|--|
| EAGER              | BATCH      | 1120                     |  |
|                    | JOIN       | 10010                    |  |
|                    | SELECT     | 10010                    |  |
|                    | SUB_SELECT | 20                       |  |
| <b>EAGER Total</b> |            | 21160                    |  |
| LAZY               | BATCH      | 20                       |  |
|                    | SELECT     | 10                       |  |
|                    | SUB_SELECT | 10                       |  |
| LAZY Total         | <u> </u>   | 40                       |  |
| <b>Grand Total</b> |            | 21200                    |  |

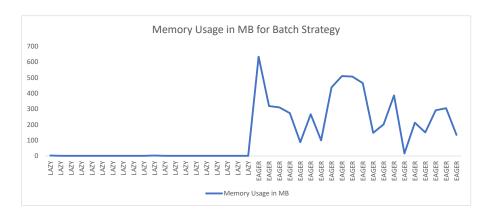


| fetch_type         | fetch_mode | Sum of data_transfer_size |  |
|--------------------|------------|---------------------------|--|
| EAGER              | BATCH      | 1387027640                |  |
|                    | JOIN       | 693513820                 |  |
|                    | SELECT     | 693513820                 |  |
| SUB_SELECT         |            | 693513820                 |  |
| <b>EAGER Total</b> |            | 3467569100                |  |
| LAZY               | BATCH      | 1882100                   |  |
|                    | SELECT     | 941050                    |  |
|                    | SUB_SELECT | 941050                    |  |
| LAZY Total         |            | 3764200                   |  |
| <b>Grand Total</b> |            | 3471333300                |  |

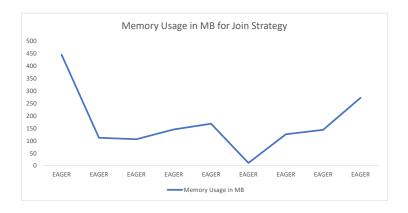




| fetch_typ | e memory_u Me | emory Usage in MB |                |                  |
|-----------|---------------|-------------------|----------------|------------------|
| LAZY      | 3542920       | 3.378791809       | fetch_type Men | nory Usage in MB |
| LAZY      | 1723168       | 1.643341064       | LAZY           | 3.378791809      |
| LAZY      | 1661608       | 1.584632874       | LAZY           | 1.643341064      |
| LAZY      | 1646648       | 1.570365906       | LAZY           | 1.584632874      |
| LAZY      | 1658704       | 1.581863403       | LAZY           | 1.570365906      |
| LAZY      | 1646648       | 1.570365906       | LAZY           | 1.581863403      |
| LAZY      | 1700608       | 1.621826172       | LAZY           | 1.570365906      |
| LAZY      | 1700608       | 1.621826172       | LAZY           | 1.621826172      |
| LAZY      | 1689216       | 1.610961914       | LAZY           | 1.621826172      |
| LAZY      | 1656760       | 1.58000946        | LAZY           | 1.610961914      |
| LAZY      | 3605808       | 3.438766479       | LAZY           | 1.58000946       |
| LAZY      | 1750136       | 1.669059753       | LAZY           | 3.438766479      |
| LAZY      | 1721784       | 1.642021179       | LAZY           | 1.669059753      |
| LAZY      | 1653576       | 1.576972961       | LAZY           | 1.642021179      |
| LAZY      | 1653576       | 1.576972961       | LAZY           | 1.576972961      |
| LAZY      | 1701344       | 1.622528076       | LAZY           | 1.576972961      |
| LAZY      | 1694968       | 1.616447449       | LAZY           | 1.622528076      |
| LAZY      | 1881136       | 1.793991089       | LAZY           | 1.616447449      |
| LAZY      | 1676392       | 1.598731995       | LAZY           | 1.793991089      |
| LAZY      | 1686008       | 1.607902527       | LAZY           | 1.598731995      |
| EAGER     | 6.65E+08      | 634.4504089       | LAZY           | 1.607902527      |
| EAGER     | 3.35E+08      | 319.1284332       | EAGER          | 634.4504089      |
| EAGER     | 3.26E+08      | 310.5313034       | EAGER          | 319.1284332      |
| EAGER     | 2.87E+08      | 273.931488        | EAGER          | 310.5313034      |
| EAGER     | 92519664      | 88.23362732       | EAGER          | 273.931488       |
| EAGER     | 2.8E+08       | 266.6361008       | EAGER          | 88.23362732      |
| EAGER     | 1.05E+08      | 99.98765564       | EAGER          | 266.6361008      |
| EAGER     | 4.6E+08       | 438.4463272       | EAGER          | 99.98765564      |
| EAGER     | 5.36E+08      | 510.931488        | EAGER          | 438.4463272      |
| EAGER     | 5.32E+08      | 507.4883652       | EAGER          | 510.931488       |
| EAGER     | 4.88E+08      | 465.744072        | EAGER          | 507.4883652      |
| EAGER     | 1.55E+08      | 148.2123184       | EAGER          | 465.744072       |
| EAGER     | 2.12E+08      | 202.4716492       | EAGER          | 148.2123184      |
| EAGER     | 4.06E+08      | 386.9971008       | EAGER          | 202.4716492      |
| EAGER     | 17747760      | 16.92558289       | EAGER          | 386.9971008      |
| EAGER     | 2.24E+08      | 213.2754898       | EAGER          | 16.92558289      |
| EAGER     | 1.58E+08      | 150.9255829       | EAGER          | 213.2754898      |
| EAGER     | 3.06E+08      | 291.9276505       | EAGER          | 150.9255829      |
| EAGER     | 3.2E+08       | 305.2529373       | EAGER          | 291.9276505      |
| EAGER     | 1.42E+08      | 135.3474808       | EAGER          | 305.2529373      |
|           |               |                   | EAGER          | 135.3474808      |
|           |               |                   |                |                  |



| id | fetch_m | fetch_mod fetch_type memory_u Memory Usage in MB |          |             |                |                  |  |
|----|---------|--|----------|-------------|----------------|------------------|--|
|    | 21 JOIN | EAGER  | 4.68E+08 | 445.9011002 | fetch_type Men | nory Usage in MB |  |
|    | 22 JOIN | EAGER  | 1.18E+08 | 112.36866   | EAGER          | 445.9011002      |  |
|    | 23 JOIN | EAGER  | 1.12E+08 | 106.4760208 | EAGER          | 112.36866        |  |
|    | 24 JOIN | EAGER  | 1.53E+08 | 145.925705  | EAGER          | 106.4760208      |  |
|    | 25 JOIN | EAGER  | 1.77E+08 | 168.684639  | EAGER          | 145.925705       |  |
|    | 26 JOIN | EAGER  | 11870936 | 11.32100677 | EAGER          | 168.684639       |  |
|    | 27 JOIN | EAGER  | 1.32E+08 | 126.3097305 | EAGER          | 11.32100677      |  |
|    | 28 JOIN | EAGER  | 1.51E+08 | 144.477272  | EAGER          | 126.3097305      |  |
|    | 29 JOIN | EAGER  | 2.86E+08 | 272.9997787 | EAGER          | 144.477272       |  |
|    | 30 JOIN | EAGER  | 1.57E+08 | 149.9255829 | EAGER          | 272.9997787      |  |
|    |         |  |          |             |                |                  |  |



| id | d fetch_mod fetch_type memory_u Memory Usage in MB |          |             |                |                 |  |
|----|--|----------|-------------|----------------|-----------------|--|
|    | 31 SUB_SELEC LAZY                                  | 4243640  | 4.047050476 | fetch_type Mem | ory Usage in MB |  |
|    | 32 SUB_SELEC LAZY                                  | 1774928  | 1.692703247 | LAZY           | 4.047050476     |  |
|    | 33 SUB_SELEC LAZY                                  | 1780560  | 1.698074341 | LAZY           | 1.692703247     |  |
|    | 34 SUB_SELEC LAZY                                  | 1805232  | 1.721603394 | LAZY           | 1.698074341     |  |
|    | 35 SUB_SELEC LAZY                                  | 1805216  | 1.721588135 | LAZY           | 1.721603394     |  |
|    | 36 SUB_SELEC LAZY                                  | 1815928  | 1.731803894 | LAZY           | 1.721588135     |  |
|    | 37 SUB_SELEC LAZY                                  | 1853048  | 1.767204285 | LAZY           | 1.731803894     |  |
|    | 38 SUB_SELEC LAZY                                  | 1846808  | 1.761253357 | LAZY           | 1.767204285     |  |
|    | 39 SUB_SELEC LAZY                                  | 1805232  | 1.721603394 | LAZY           | 1.761253357     |  |
|    | 40 SUB_SELEC LAZY                                  | 1796432  | 1.71321106  | LAZY           | 1.721603394     |  |
|    | 41 SUB_SELEC EAGER                                 | 8.54E+08 | 814.0261765 | LAZY           | 1.71321106      |  |
|    | 42 SUB_SELEC EAGER                                 | 4.34E+08 | 413.9498291 | EAGER          | 814.0261765     |  |
|    | 43 SUB_SELEC EAGER                                 | 5.26E+08 | 501.9220123 | EAGER          | 413.9498291     |  |
|    | 44 SUB_SELEC EAGER                                 | 4.7E+08  | 448.0356979 | EAGER          | 501.9220123     |  |
|    | 45 SUB_SELEC EAGER                                 | 6.81E+08 | 649.0372696 | EAGER          | 448.0356979     |  |
|    | 46 SUB_SELEC EAGER                                 | 7.02E+08 | 669.0188904 | EAGER          | 649.0372696     |  |
|    | 47 SUB_SELEC EAGER                                 | 4.27E+08 | 406.9314804 | EAGER          | 669.0188904     |  |
|    | 48 SUB_SELEC EAGER                                 | 3.22E+08 | 307.1023407 | EAGER          | 406.9314804     |  |
|    | 49 SUB_SELEC EAGER                                 | 7.17E+08 | 683.3987732 | EAGER          | 307.1023407     |  |
|    | 50 SUB_SELEC EAGER                                 | 8.25E+08 | 787.0635223 | EAGER          | 683.3987732     |  |
|    |  |          |             |                |                 |  |

