|  |  |  |  |
| --- | --- | --- | --- |
|  | Create index (rows added), ms | Index size, kB | Create index (no rows), ms |
| B-tree | 604 | 7832 | 19 |
| Hash | 221 | 4112 | 17 |
| GIN | 965 | 11600 | 19 |
| GIST | 2464 | 3352 | 7 |

-- Find user by name (exact match) – 100k rows

-- Find user by name (exact match)

|  |  |
| --- | --- |
|  | Execution time, ms |
| No index | 11 |
| B-tree | 3 |
| Hash | 3 |
| GIN | 11 |
| GIST | 12 |

-- Find user by name (partial match) – not using any of the indexes

|  |  |  |
| --- | --- | --- |
|  | Execution time, ms | Execution time (@@), ms |
| No index | 11 | 211 |
| B-tree |  | 213 |
| Hash |  | 218 |
| GIN |  | 3 |
| GIST |  | 220 |

-- Find user by phone number (partial match)

|  |  |  |
| --- | --- | --- |
|  | Execution time, ms | Execution time (@@), ms |
| No index | 12 | 15 |
| B-tree |  | 16 |
| Hash |  | 16 |
| GIN |  | 3 |
| GIST |  | 18 |

-- Find user with marks by user surname (partial match)

|  |  |  |
| --- | --- | --- |
|  | Execution time, ms | Execution time (@@), ms |
| No index | 892 | 922 |
| B-tree | 872 no ind using | 942 NO IND |
| Hash | 846 | 977 no ind |
| GIN | 846 | 545 |
| GIST | 801 | 801 |