**REPORT**

Q1

Q2

Q3

Q4

Q5

Champion List:

How the algorithm works:

1. First the dictionary with all the indices of all the terms are sorted and arranged in the decreasing order of the weight of the terms.
2. Then the length of the sorted list is compared to the given value of “k”
3. And the top k documents are picked according to the highest weighted term frequency.

**PERFORMANCE EVALUATION:**

**Observation:**

* The time of execution changes from when moving from exact to inexact method
* For short queries, method 2 takes the least time
* The time taken by Method 4 is the highest as there involves a document clustering before, searching the relevant document for the query

**Conclusion:**

* If the number of terms in query increase, the time taken reduces and accuracy increases.
* The time of execution for query searching is the highest for Cluster Pruning