**UE19CS332**

***Algorithms For Web And Information Retrieval***

**Assignment – 4**

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**SECTION: E**

**Problem Statement :**

1. **Performing Boolean Query using Inverted Index ( both simple and complex Boolean queries- AND , OR )**
2. **Performing Phrase Query on Inverted Index and Positional index.**
3. **Implementing dictionary using B-Tree and Hash Table.**

1 & 2:

***Preprocessing :***

**Graphical user interface, text

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Text

Description automatically generated**

**Graphical user interface, text

Description automatically generated**

**Text

Description automatically generated**

***Performing Boolean Query :***

***Merge and Intersect Algorithm :***

***Text

Description automatically generated***

***Text

Description automatically generated***

***Text

Description automatically generated***

***Text

Description automatically generated***

***Phrase Query on Inverted Index :***

***Graphical user interface

Description automatically generated with low confidence***

***Phrase Query on Positional Index :***

***Text

Description automatically generated***

***Text

Description automatically generated***

**3:**