

Installation

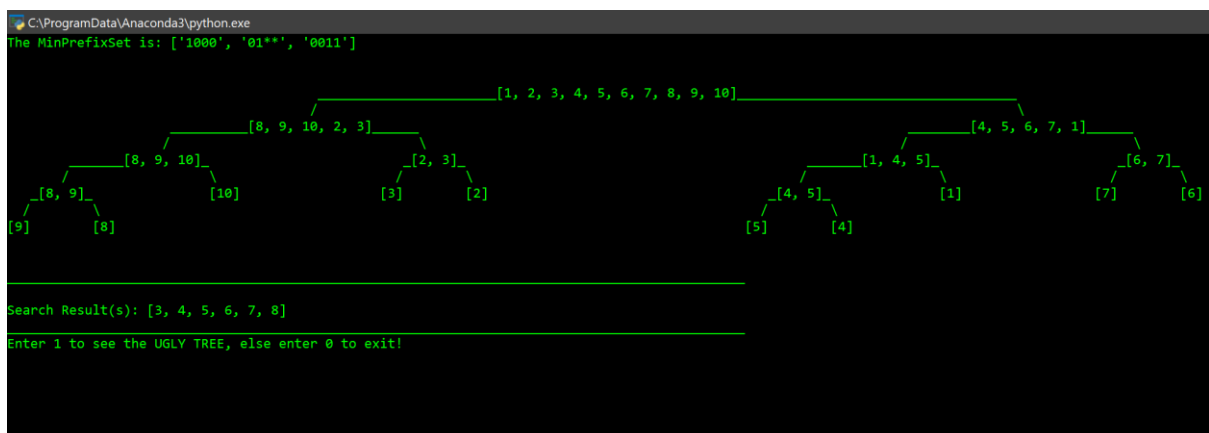
1. Download Python 3.6
2. Install Binarytree module by executing – pip install binarytree

Execution

1. Enter the data items separated by comma in data.txt and place it in the TreeGeneration Folder.
Ex: 1,2,3,4,5,6,7,8,9,10
2. Enter the query in query.txt and place it in the TreeGeneration folder
Ex: 3,8
3. Finally, execute the command – python run.py in the Root Folder.

Sample Output

For the above data and query the generated result would look as shown below:



```
C:\ProgramData\Anaconda3\python.exe
The MinPrefixSet is: ['1000', '01**', '0011']

      [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
     /                               \
  [8, 9, 10, 2, 3]                 [4, 5, 6, 7, 1]
  /   \                           /   \
[8, 9, 10] [2, 3]               [1, 4, 5] [6, 7]
 /  \  /  \                   /  \   /  \
[8, 9] [10] [3] [2]          [4, 5] [1] [7] [6]
 /  \ /  \ /  \             /  \   /  \
[9] [8] [3] [2] [5] [4]    [5] [4] [1] [7] [6]

Search Result(s): [3, 4, 5, 6, 7, 8]
Enter 1 to see the UGLY TREE, else enter 0 to exit!
```

Additionally, to view the Bloom Filter tree enter 1 else enter 0