Problem: Identified duplicate URL in very long list of URL say 10b of URL

- Using hashing of url and use hashmap to identify the duplicate colloison is the issue
- 2. Use Bloom filter with 3-4 hash value again issue in memory and accuracy of 100%
- 3. Device and conquer here alternate url matched with next url if duplicate then notify and remove till all duplicate removed.
- 4. Key-valye in memory cache (REDIS)- user url as key and value if count
- 5. Use Trie data structure to identify the duplicate url where
 - a. each node in trie contain Char and numeric value which is count of every url end the the Char of this node means duplicate url.
 - b. We can also user word and separator like \ and dot in url instead char in url to keep low depth of tri. It will take more space for trie

