

PSEUDO CODE FOR “ PLAGIARISM CHECKING TOOL”

Group-52

Roll No:

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1- Hash_function(string word)

```
2-    string key;
3-    for( i=0 to word.length )

4- key +=( int ) word [ i ] // concatenating ascii value of each character of string to generate unique key

5-        return key
```

1- Build_Hash (string File_Name)

```
2- Read complete file and generate words array called 'word array[ ]'
3- Hash_Table ht;
4- for ( i=0 to n )
5-     if ( word_array [ i ]. isEmpty() || word_array [ i ]. isNull() ) //ignore empty and null words
6-         continue
7-     else
8-         ht.add ( Hash_function (word_array [ i ] ), words_array [ i ] ) //key,value

9-        return ht
```

1- Comparer (File 1, File 2, File 3..... File N)

```
2-    call Build_Hash ( File N ) function for all files to be compared and stored in ' Hash_Tables [ ] '
array.

3- int min_Hash_Index = index_Of_Smallest_Hash ( Hash_Tables [ ] )

4- list < string > Common_Word = Hash_Tables [ min_Hash_Index ].Values
//store values of minimum length hash table, we are assuming that maximum words that can be
//common to all files are all contained in smallest file

5-    for ( i = 0 to hash_Tables.Count )
6-        if ( i= min_Hash_Index )
7-            continue //skip this loop
8-        else
9-            for each ( string s in Common_Words )
10-                if ( ! Hash_Tables [ i ] ContainsValue( s ))
```

11- remove 's' from 'Common_Words' //because it is no more a common word

```
12- return Common_Words
```