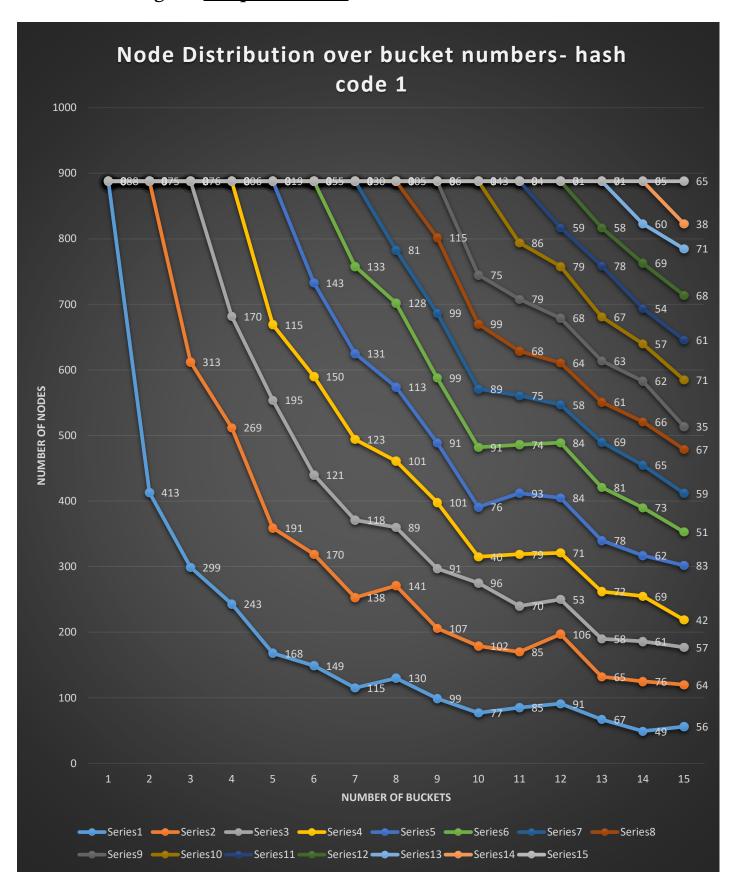
# CO 322 HASH TABLES

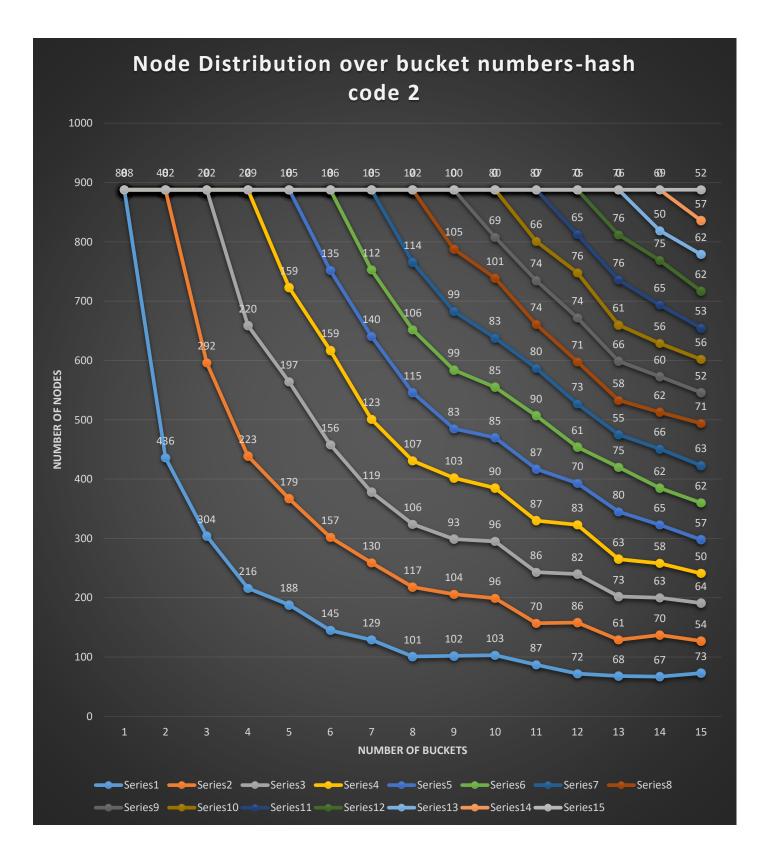
NAME : WIMALASIRI KPGP

REG NO : E/14/403

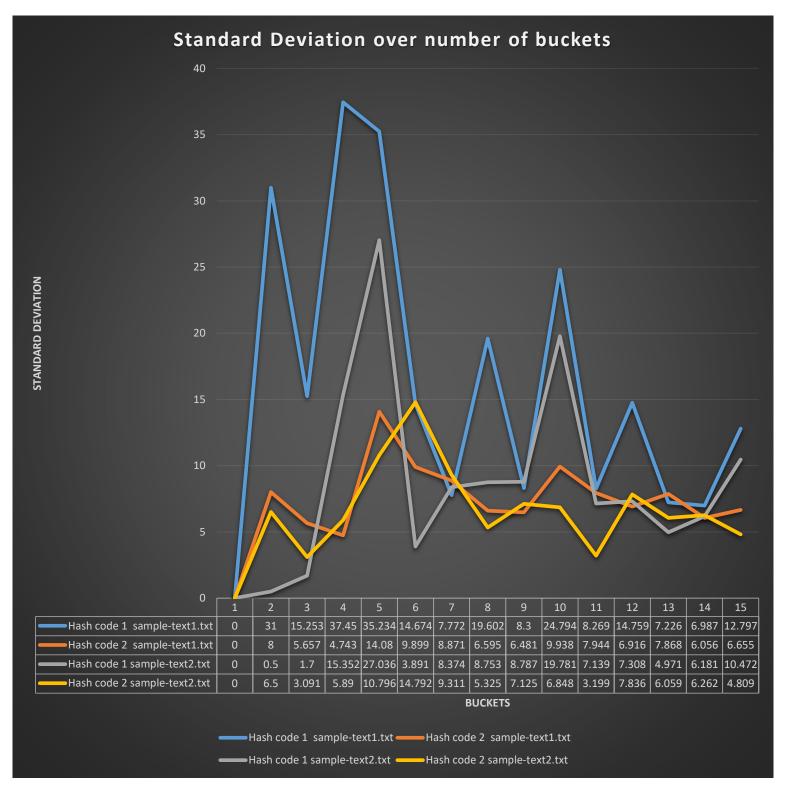
SEMESTER: 5th

DATE : 03/02/2018

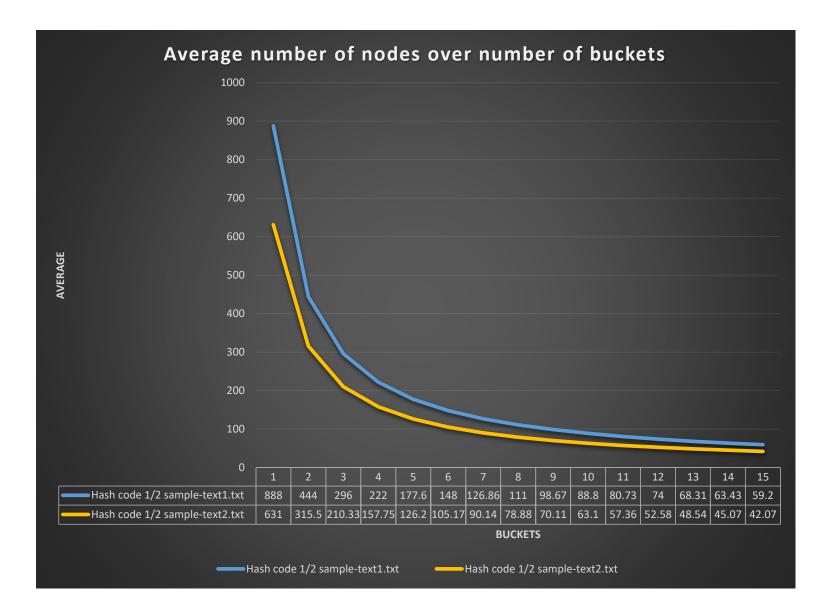




• According to the tables given above hash code 2 is more stable with the variation of bucket numbers (has the better distribution) for <a href="mailto:sample-text1.txt">sample-text1.txt</a>



- According to the table above Hash code 2 shows a stable variation in both sample-text1 and sample-text2.
- When consider about sample-text1 or sample-text2 hash code 2 shows relatively less Standard Deviation, which express that hash code 2 distribute nodes among the buckets better.



- Any proper idea about the comparison of node distribution over number of buckets can't be obtained with the average variation above.
- Both curves have the same shape

## **CONCLUSION**

According to the analysis above hash code 2 distribute nodes evenly among the buckets than hash code 1.

## **APPENDIX**

#### Hash code number 1

```
char [] charKey = key.toCharArray();
for(int i=0;i<key.length();i++){
    code = code + (charKey[i])*(int)(pow(10,i));
}
if(code<0){
    code *=-1;
}
return code%buckets;</pre>
```

### Hash code number 2

```
char [] charKey = key.toCharArray();
for(int i=0;i<key.length();i++){
    code = code + charKey[i];
}
if(code<0){
    code *=-1;
}
return code%buckets;</pre>
```