***Test 1***

**Input: *100 random characters***

GANIAUEEOJJXBRWAZYNPCDVTHYNKTBSHVLOIDIILWLIIHJVILMDHTMKUOOGHELVJOQTCBMISKROLOMMITAZWVIACMETJEDLXBDVJ

**Output:**

Warm up time: 978645 nanoseconds

Above method is called to warm up JVM timer!

-----Count-----

Final list: I O L M T V J H A E D B N K W C Y U G S R Z X P Q

Frequency:  10 7 7 6 6 6 6 5 5 5 5 4 3 3 3 3 2 2 2 2 2 2 2 1 1

Comparison = 1124

Run Time: 306793 nanoseconds

-----MTF-----

Final list: J V D B X L E T M C A I W Z O R K S Q H G U N Y P

Comparison = 1158

Run Time: 243788 nanoseconds

-----Transpose-----

Final list: A I N E O J U B X W R Z T D Y V C P L M H K G S Q

Comparison = 1210

Run Time: 237807 nanoseconds

***Test 2***

**Input: *1000 random characters***



**Output:**

Warm up time: 4485640 nanoseconds

Above method is called to warm up JVM timer!

-----Count-----

Final list: J T A S W X Z G O D N L R E P B V F Y U H M I Q C K

Frequency:  50 49 48 48 44 44 44 44 43 42 40 40 39 39 37 37 35 35 35 34 34 34 28 26 26 25

Comparison = 13119

Run Time: 757436 nanoseconds

-----MTF-----

Final list: E L N D S Y B M H F A G V R Z P O I U J X T W K C Q

Comparison = 13307

Run Time: 957528 nanoseconds

-----Transpose-----

Final list: Z J L A W P O U E T V F D X R H G S K Y Q M C B N I

Comparison = 13396

Run Time: 923543 nanoseconds