## **Assignment 3: Testcase**

```
System Can Read File = 100000
No sorting.....
  Run Arrays sort number....
46581 10000000000 ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ ,ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ
Run Merge sort number.
46581 100000000000 ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ ,ABCDEFGHIJKLMNOPQRSTUVWXYZ 43974 556526160000 RINZGHRJWITFMUHTNNNXIFMVNGGOYIDLBNIUIJHEVQEBNZAXMMMM ,YCDKDIGPVNIDHDKORMPQEGKAIRTVANUZNPILJDHZMIDGMPDFMMMM 29423 99999999999 ZYXWVUTSRQPONMLKJIHGFEDCBAZYXWVUTSRQPONMLKJIHGFEDCBA ,ZYXWVUTSRQPONMLKJIHGFEDCBAZYXWVUTSRQPONMLKJIHGFEDCBA
Run Merge sort String...
46581 100000000000 ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ ,ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ
43974 556526160000 RINZGHRJWITFMUHTŇNNXIFMVNGGOYIDLBNIUIJHEVQEBNZAXMMMM ,YCDKDIGPVNIDHDKORMPQEGKAIRTVANUZNPILJDHZMIDGMPDFMMMM 29423 99999999999 ZYXWVUTSRQPONMLKJIHGFEDCBAZYXWVUTSRQPONMLKJIHGFEDCBAZYXWVUTSRQPONMLKJIHGFEDCBA
End of testing.
```

+			+
Sort	- 1	time Number (ms)	time String (ms)
+			+ ,
Library sort	.	63.298900	236.136900 ms
Merge sort	İ	77.217600	104.712800 ms
Quick sort	İ	50.348700	150.150700 ms
+			+