

**Name:** Muhammad Rizwan Khalid

**Class:** BSCS-6A

**Id:** 180459

**Assignment:** 01

**Submitted:** Mam Sana Khalique

**Dated:** 2nd March, 2018

**Testing Material:**

|  |  |  |
| --- | --- | --- |
| **Test Files** | **Number of Words** | **File Size** |
| test1.txt | 8,686 | 52.4 KB |
| test2.txt | 47,992 | 262 KB |
| test3.txt | 55,647 | 312 KB |
| test4.txt | 1,81,159 | 0.98 MB |
| test5.txt | 5,02,179 | 2.91 MB |
| test6.txt | 12,93,935 | 5.32 MB |
| test7.txt | 15,32,739 | 9.09 MB |

**Experiment:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **File1** | **File2** | **Angle b/w Vectors**  **(degree)** | **Time Take**  **(ms)** | **Percentage Similarity**  **%** |
| test1.txt | test2.txt | 31.09 | 31.26 | 65.46% |
| test2.txt | test3.txt | 30.89 | 46.88 | 65.68% |
| test3.txt | test4.txt | 27.64 | 109.38 | 69.29% |
| test4.txt | test5.txt | 28.04 | 281.73 | 68.84% |
| test5.txt | test6.txt | 24.90 | 578.16 | 72.33% |
| test6.txt | test7.txt | 26.10 | 1062.52 | 71% |
| test7.txt | test7.txt | 0 | 1359.44 | 100% |