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**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 | 31.54 | 31.26 | 64.96% |
| test2.txt | test3.txt | 29.20 | 46.88 | 67.56% |
| test3.txt | test4.txt | 26.11 | 109.38 | 70.99% |
| test4.txt | test5.txt | 31.54 | 281.73 | 64.96% |
| test5.txt | test6.txt | 76.53 | 671.91 | 14.97% |
| test6.txt | test7.txt | 77.13 | 1156.83 | 14.3% |
| test7.txt | test7.txt | 0 | 1406.84 | 100% |