docker compose up -d

```
PS C:\Users\nallu\Downloads\Assignment2-Document-Similarity-usingg-MapReduce-main> docker compose up
-d
time="2025-09-25T12:31:20-05:00" level=warning msg="C:\\Users\\nallu\\Downloads\\Assignment2-Document
-Similarity-usingg-MapReduce-main\\docker-compose.yml: the attribute `version` is obsolete, it will b
e ignored, please remove it to avoid potential confusion"
[+] Running 9/9
 ✓ Container resourcemanager     Started                                                        1.4s
 ✓ Container nodemanager1        Started                                                        1.5s
 ✓ Container namenode            Started                                                        1.6s
 ✓ Container nodemanager2        Started                                                        1.3s
 ✓ Container datanode1           Started                                                        1.0s
 ✓ Container datanode3           Started                                                        1.2s
 ✓ Container historyserver       Started                                                        1.3s
 ✓ Container datanode2           Started                                                        1.1s
 ✓ Container nodemanager3        Started                                                        1.2s
```
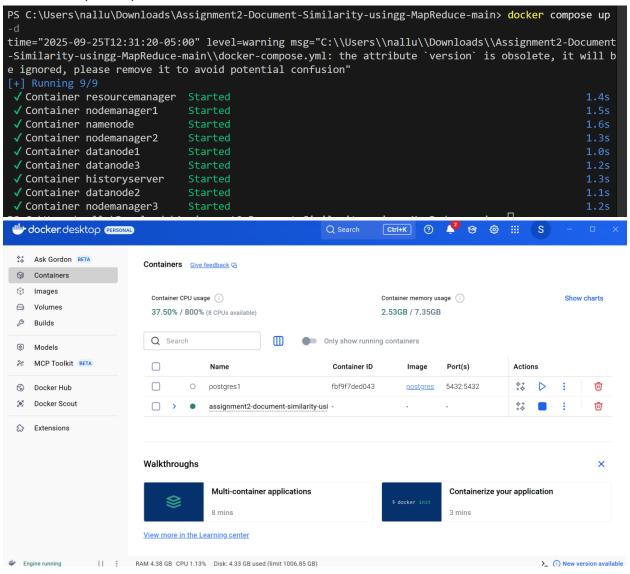
```
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ DocumentSimilarity ---
[INFO] No sources to compile
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ DocumentSimilarity ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platfor
m dependent!
[INFO] skip non existing resourceDirectory C:\Users\nallu\Downloads\Assignment2-Document-Similarity-u
singg-MapReduce-main\src\test\resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ DocumentSimilarity ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ DocumentSimilarity ---
[INFO] No tests to run.
[INFO]
[INFO] --- jar:3.4.1:jar (default-jar) @ DocumentSimilarity ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO] Building jar: C:\Users\nallu\Downloads\Assignment2-Document-Similarity-usingg-MapReduce-main\t
arget\DocumentSimilarity-0.0.1-SNAPSHOT.jar
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  4.419 s
[INFO] Finished at: 2025-09-25T12:35:17-05:00
[INFO] ------------------------------------------------------------------------
```

```
2025-09-25 21:45:29,645 INFO mapreduce.Job: The url to track the job: http://resourcemanager:8088/proxy/application_1758821497360_0005/
2025-09-25 21:45:29,647 INFO mapreduce.Job: Running job: job_1758821497360_0005
2025-09-25 21:45:35,856 INFO mapreduce.Job: Job job_1758821497360_0005 running in uber mode : false
2025-09-25 21:45:35,858 INFO mapreduce.Job:  map 0% reduce 0%
2025-09-25 21:45:41,975 INFO mapreduce.Job:  map 100% reduce 0%
2025-09-25 21:45:48,044 INFO mapreduce.Job:  map 100% reduce 100%
2025-09-25 21:45:49,067 INFO mapreduce.Job: Job job_1758821497360_0005 completed successfully
2025-09-25 21:45:49,268 INFO mapreduce.Job: Counters: 54
        File System Counters
                FILE: Number of bytes read=1134
                FILE: Number of bytes written=460801
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=3921
                HDFS: Number of bytes written=7239
                HDFS: Number of read operations=8
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
                HDFS: Number of bytes read erasure-coded=0
        Job Counters
                Launched map tasks=1
                Launched reduce tasks=1
                Rack-local map tasks=1
                Total time spent by all maps in occupied slots (ms)=14336
                Total time spent by all reduces in occupied slots (ms)=35160
                Total time spent by all map tasks (ms)=3584
                Total time spent by all reduce tasks (ms)=4395
                Total vcore-milliseconds taken by all map tasks=3584
                Total vcore-milliseconds taken by all reduce tasks=4395
                Total megabyte-milliseconds taken by all map tasks=14680064
                Total megabyte-milliseconds taken by all reduce tasks=36003840
        Map-Reduce Framework
                Map input records=20
                Map output records=293
                Map output bytes=6089
                Map output materialized bytes=1126
                Input split bytes=116
                Combine input records=0
                Combine output records=0
                Reduce input groups=20
```

```
                bytes written 7233
root@130ab40c476d:/opt/hadoop-3.2.1/share/hadoop/mapreduce# hadoop fs -cat /output/small_results/*
2025-09-25 21:46:20,412 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
Document10,Document19    Similarity: 0.42
Document20,Document3     Similarity: 0.53
Document10,Document18    Similarity: 0.50
Document20,Document4     Similarity: 0.63
Document20,Document5     Similarity: 0.61
Document10,Document15    Similarity: 0.50
Document13,Document15    Similarity: 0.47
Document7,Document8      Similarity: 0.55
Document10,Document14    Similarity: 0.40
Document13,Document16    Similarity: 0.67
Document10,Document17    Similarity: 0.50
Document7,Document9      Similarity: 0.60
Document10,Document16    Similarity: 0.61
```