

**ANAM BALOCH BESE 5-B**

**SOFTWARE CONSTRUCTION**

**LAB 12**

**SCREENSHOTS**

```
17/05/24 16:08:53 INFO mapred.LocalJobRunner: Finishing task: attempt_local964448206_0001_r_000000_0
17/05/24 16:08:53 INFO mapred.LocalJobRunner: reduce task executor complete.
17/05/24 16:08:54 INFO mapreduce.Job: map 100% reduce 100%
17/05/24 16:08:54 INFO mapreduce.Job: Job job_local964448206_0001 completed successfully
17/05/24 16:08:54 INFO mapreduce.Job: Counters: 30
  File System Counters
    FILE: Number of bytes read=691612
    FILE: Number of bytes written=1297527
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
  Map-Reduce Framework
    Map input records=586
    Map output records=4672
    Map output bytes=47612
    Map output materialized bytes=14493
    Input split bytes=91
    Combine input records=4672
    Combine output records=1040
    Reduce input groups=1040
    Reduce shuffle bytes=14493
    Reduce input records=1040
    Reduce output records=1040
    Spilled Records=2080
    Shuffled Maps =1
    Failed Shuffles=0
    Merged Map outputs=1
    GC time elapsed (ms)=52
    Total committed heap usage (bytes)=274866176
  Shuffle Errors
    BAD_ID=0
    CONNECTION=0
    IO_ERROR=0
    WRONG_LENGTH=0
    WRONG_MAP=0
    WRONG_REDUCE=0
  File Input Format Counters
    Bytes Read=29216
```

**FOR ALL LAB MANUALS**

```
utilizing      1
value         2
value,        1
value;        2
values        9
version       1
via           2
video         1
videos        1
view          3
viewed        1
viva.         1
wants         4
way.          1
well.         1
what          1
when          1
where         3
which         11
while         1
will          35
with          40
without       3
word          1
words         1
works         1
would         2
writing       4
you           24
you,          1
your          41
you're        3
zero.         3
zip           18
{             3
}             3
If            3
Points        3
```

## GITHUB LINK

<https://github.com/bawochi/Software-Construction-Labs>