# 云计算实验三报告

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#### 作业 1:

### 作业 2:

创建文件夹 test, 上传 info.txt, 使用 mkdir 和 put, 查看内容, 删除

```
CATABLEMANCE

Under replicated blocks: 8

Under replicated blocks: 9

Under replicated blocks: 9

Under replicated blocks: 9

Reside blocks (thit replication factor 1): 8

Reside blocks (thit replication factor 1): 8

Reside blocks (thit replication factor 1): 8

Reside blocks: 9

Reside blocks: 9
```

#### 作业 3:

```
eral command line syntax is 
[genericOptions] [commandOptions]
                                                                         doop fs [generic options] -test -[defsz] <path> 23-183-245 ~]# hadoop fs -ls
methodough fs [generic options] sets -[defsz] cpaths

dd litems

d litems
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d 
                                                                                                           sudoku solver.
Generate data for the terasort
Run the terasort
ate: Checking results of terasort
: A map/reduce program that counts the words in the input files.
A map/reduce program that counts the average length of the words in the input files
         13.1124.7722

**Gradedian: A map/reduce program that counts the median length of the words in the input files, redstandarddeviation: A map/reduce program that counts the standard deviation of the length of the sin the input files.

**R810-23-183-245 mapp ducce| # hadoop fs -mkdir /input |
**R810-23-183-245 mapprduce| # hadoop fs -mkdir /input /input |
**R810-23-183-245 mapprduce| # hadoop fs -mkdir /input /input |
**R810-23-183-245 mapprduce| # hadoop fs -mkdir /input /input |
**R810-23-183-245 mapprduce| # hadoop fs -mkdir /input /input |
**R810-23-183-245 mapprduce| # hadoop fs -mkdir /input 
                                                                         23-183-245 mapreduce] hadoop is put /root/hadoop-2.6.0/ntc/hadoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lacoop/-1.0/ntc/lac
```

### 以下是部分输出截图, 因为太长了

```
79. Hirth ampredicts.Job: Job job_low/7490/540_embil completed a 57 HBF0 ampredicts.Job: Counters: 50
FILE: Number of bytes read-91144
FILE: Number of bytes read-91148
FILE: Number of bytes written-5941810
FILE: Number of large read operations=0
FILE: Number of large read operations=0
FILE: Number of large read operations=0
HDF3: Number of bytes read-102480
HDF3: Number of bytes read-102480
HDF3: Number of read-operations=10
HDF3: Number of read-operations=0
HDF3: Number of read-operations=0
HDF3: Number of large read-operations=0
HDF3: H
```

```
| The property | The
```

## 作业 4: 实现单线程的 WordCount, 记录运行时间

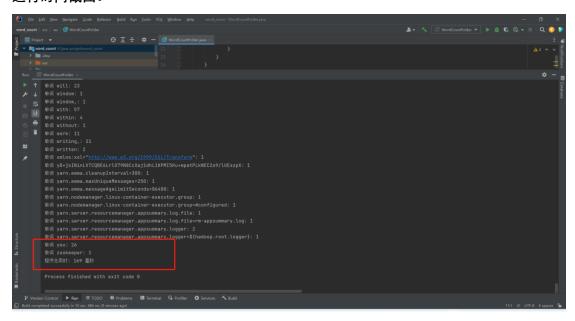
### 结果输出(截取部分,因为太长了):

```
单词 <name>yarn.scheduler.capacity.root.default.state</name>: 1
单词 <name>yarn.scheduler.capacity.root.default.user-limit-factor</name>: 1
单词 <name>yarn.scheduler.capacity.root.queues</name>: 1
单词 <name>yarn.scheduler.fair.allow-undeclared-pools</name>: 1
单词 <name>yarn.scheduler.fair.user-as-default-queue</name>: 1
单词 <name>yarn.scheduler.maximum-allocation-mb</name>: 2
单词 <name>yarn.scheduler.maximum-allocation-vcores</name>: 1
单词 <name>yarn.timeline-service.address</name>: 1
单词 <name>yarn.timeline-service.enabled</name>: 1
单词 <name>yarn.timeline-service.generic-application-history.enabled</name>: 1
单词 <name>yarn.timeline-service.handler-thread-count</name>: 1
单词 <name>yarn.timeline-service.hostname</name>: 1
单词 <name>yarn.timeline-service.http-cross-origin.enabled</name>: 1
单词 <name>yarn.timeline-service.leveldb-state-store.path</name>: 1
单词 <name>yarn.timeline-service.webapp.address</name>: 1
单词 <name>yarn.timeline-service.webapp.https.address</name>: 1
单词 operty: 2
单词 <queue>: 3
单词 <queues>: 1
单词 <state>running</state>: 1
单词 <table: 1
单词 <a: 1
单词 <xsl:value-of: 2
单词 description: 1
```

```
WordCountFolder
   単词 <xsl:for-each: 1
   单词 <xsl:output: 1
Τ
   单词 <xsl:stylesheet: 1
➡ 单词 =: 5
₩
   单词 @echo: 3
   单词 @rem: 73
   单词 A: 22
   单词 ACL,: 2
   单词 ANY: 21
   单词 ASF: 11
   单词 AWS: 1
   单词 AbhcYYwSdTglGI7u+94zjilAtN3Gvj+dgvmUsqbDo4kGaR0FlD6oXwXg3zTgSAy+: 1
   单词 Add: 1
   单词 AdminOperationsProtocol.: 1
    单词 Advanced: 1
   单词 AppSummaryLogging: 1
    单词 Appender: 8
    单词 Application: 2
    单词 ApplicationClientProtocol,: 1
    单词 ApplicationHistoryProtocol,: 1
    单词 ApplicationMaster: 1
```

```
单词 <name>yarn.scheduler.capacity.root.default.state</name>: 1
单词 <name>yarn.scheduler.capacity.root.default.user-limit-factor</name>: 1
单词 <name>yarn.scheduler.capacity.root.queues</name>: 1
单词 <name>yarn.scheduler.fair.allow-undeclared-pools</name>: 1
单词 <name>yarn.scheduler.fair.user-as-default-queue</name>: 1
单词 <name>yarn.scheduler.maximum-allocation-mb</name>: 2
单词 <name>yarn.scheduler.maximum-allocation-vcores</name>: 1
单词 <name>yarn.timeline-service.address</name>: 1
单词 <name>yarn.timeline-service.enabled</name>: 1
单词 <name>yarn.timeline-service.generic-application-history.enabled</name>: 1
单词 <name>yarn.timeline-service.handler-thread-count</name>: 1
单词 <name>yarn.timeline-service.hostname</name>: 1
单词 <name>yarn.timeline-service.http-cross-origin.enabled</name>: 1
单词 <name>yarn.timeline-service.leveldb-state-store.path</name>: 1
单词 <name>yarn.timeline-service.leveldb-timeline-store.path</name>: 1
单词 <name>yarn.timeline-service.webapp.address</name>: 1
单词 <name>yarn.timeline-service.webapp.https.address</name>: 1
单词 operty: 2
单词 <queue>: 3
单词 <queues>: 1
单词 <state>running</state>: 1
单词 <table: 1
单词 <a: 1
单词 <xsl:value-of: 2
单词 description: 1
```

#### 运行时间截图:



并且对比作业3中的某一张输出截图,我们可以发现两种实现方式的输出结果是一样的。

```
Variable 4

variable 5

variable 10

va
```