

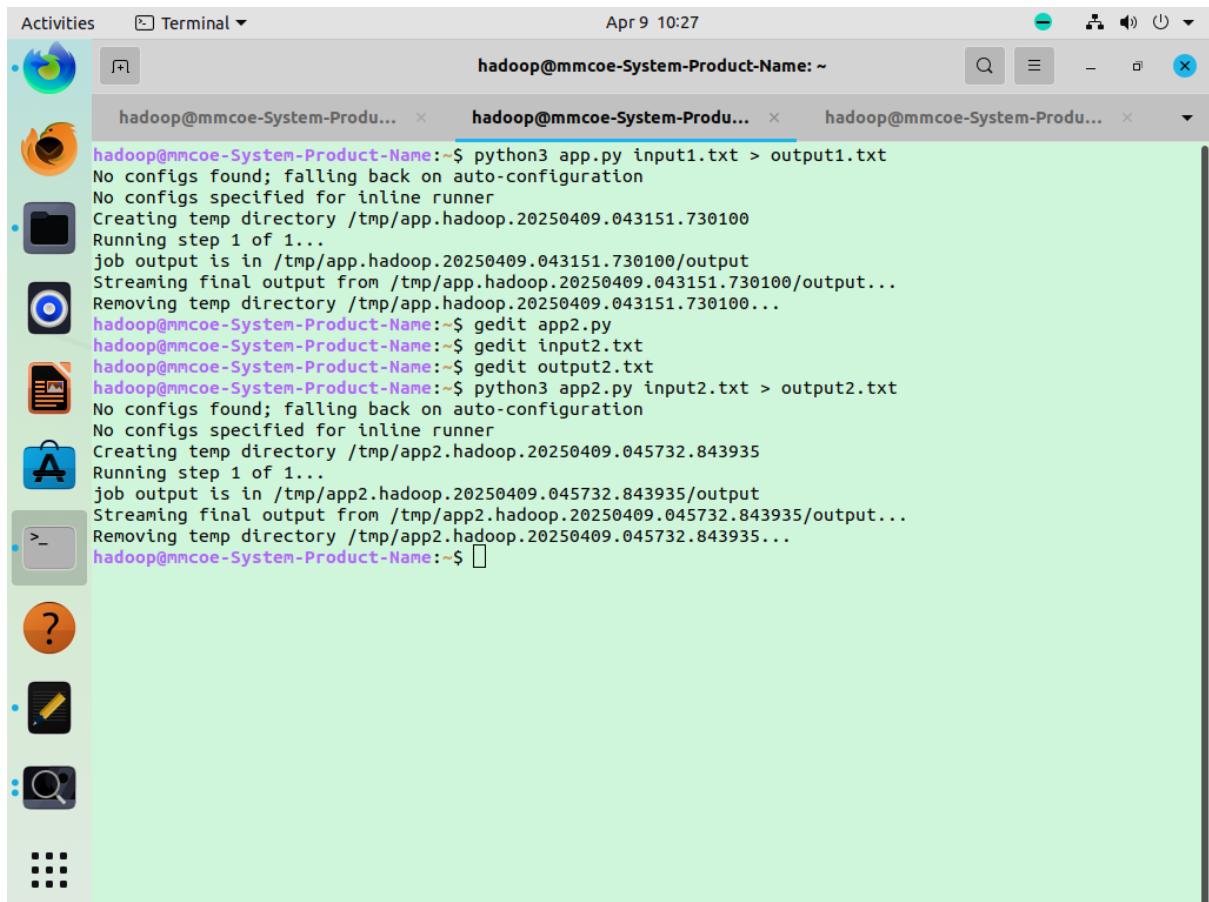
```
from mrjob.job import MRJob

class MRWordCount(MRJob):
    def mapper(self, _, line):
        for word in line.split():
            yield word.lower(), 1

    def reducer(self, word, counts):
        yield word, sum(counts)

if __name__ == '__main__':

    MRWordCount.run()
```

A screenshot of a terminal window titled 'Terminal' with a date and time of 'Apr 9 10:27'. The terminal shows the execution of a MapReduce job. The first command is 'python3 app.py input1.txt > output1.txt'. The output shows that no configs were found, so it fell back on auto-configuration. It then creates a temporary directory and runs step 1 of 1. The job output is in '/tmp/app.hadoop.20250409.043151.730100/output'. The final output is streamed from this directory. The temporary directory is then removed. The second command is 'python3 app2.py input2.txt > output2.txt'. The output shows the same process for the second job, with the temporary directory being '/tmp/app2.hadoop.20250409.045732.843935'. The terminal window has a sidebar with various application icons and a top bar with window controls and system status icons.

Activities Text Editor Apr 9 10:30

Open input2.txt Save

output1.txt x input2.txt x output2.txt x app2.py x input5.txt x output5.txt x

```
1 Hello World!
2 Welcome to the world of simulation.
3 Hello Python
4 Hello DSBDA
5 Okay Bye
```

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Activities Text Editor Apr 9 10:30

Open output2.txt Save

output1.txt x input2.txt x output2.txt x app2.py x input5.txt x output5.txt x

```
1 "python" 1
2 "bye" 1
3 "world!" 1
4 "dsbda" 1
5 "the" 1
6 "welcome" 1
7 "hello" 3
8 "to" 1
9 "of" 1
10 "okay" 1
11 "world" 1
12 "simulation." 1
```

Plain Text Tab Width: 8 Ln 1, Col 1 INS