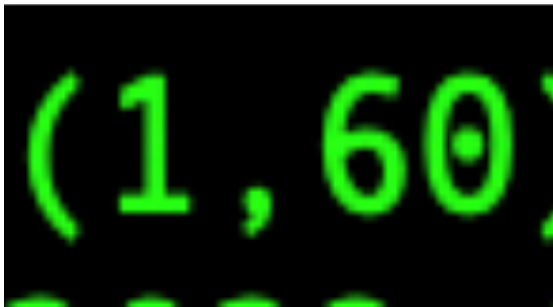# Outputs

- **Problem Statement 1: Top 5 Most Visited Destinations**

```
2023-11-26 16:38:29,108 [main] WARN  org.apache.hadoop.metrics2.impl.MetricsSystemImpl - JobTracker metrics system already initialized!
2023-11-26 16:38:29,108 [main] INFO  org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!
2023-11-26 16:38:29,109 [main] WARN  org.apache.pig.data.SchemaTupleBackend - SchemaTupleBackend has already been initialized
2023-11-26 16:38:29,119 [main] INFO  org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input files to process : 1
2023-11-26 16:38:29,119 [main] INFO  org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1
(LAS,93,Graham,USA)
(LAS,93,Whiteriver,USA)
(LAS,93,Wickenburg,USA)
(LAS,93,Jal,USA)
(LAS,93,Enterprise,USA)
(LAS,93,Dyersburg,USA)
(LAS,93,Meeker,USA)
(LAS,93,Keene,USA)
(LAS,93,Eek,USA)
(LAS,93,Needles,USA)
(LAS,93,Gruver,USA)
(LAS,93,Douglas Bisbee,USA)
(LAS,93,Duluth,USA)
(LAS,93,Monahans,USA)
(LAS,93,Eunice,USA)
(LAS,93,Hatch,USA)
(LAS,93,Lovington,USA)
(LAS,93,Tatum,USA)
(LAS,93,Andrews,USA)
(MDW,79,South Sioux City,USA)
(MDW,79,Skagway,USA)
(MDW,79,Mount Ida,USA)
(MDW,79,McGehee,USA)
(MDW,79,Tatitlek,USA)
(MDW,79,Osceola,USA)
(MDW,79,Hartford,USA)
(PHX,78,Freehold,USA)
(PHX,78,Lindsay,USA)
(PHX,78,Goldsby,USA)
(PHX,78,Delphi,USA)
(PHX,78,Bonifay,USA)
(BWI,65,Hudson,USA)
(BWI,65,Fair Haven,USA)
(BWI,65,Baltimore,USA)
(OAK,62,Hilliard,USA)
(OAK,62,Gatesville,USA)
(OAK,62,Griffith,USA)
(OAK,62,Clanton,USA)
(OAK,62,Belmont,USA)
2023-11-26 16:38:29,141 [main] INFO  org.apache.pig.Main - Pig script completed in 6 seconds and 225 milliseconds (6225 ms)
```

- **Problem Statement 2: Which month has the most cancellations and top 3 cancelled flights**

```
(1,1414,6)
(1,891,5)
(1,2730,4)
```

- **Problem Statement 3: Top Ten Origins with Highest AVG Departure Delay**

```
2023-11-26 16:57:35,985 [main] INFO  org.apache.pig.backend.had
(LAS,Wickenburg,USA,41.830601092896174)
(LAS,Whiteriver,USA,41.830601092896174)
(LAS,Tatum,USA,41.830601092896174)
(MDW,Tatitlek,USA,48.950980392156865)
(MDW,South Sioux City,USA,48.950980392156865)
(MDW,Skagway,USA,48.950980392156865)
(MDW,Osceola,USA,48.950980392156865)
(LAS,Needles,USA,41.830601092896174)
(MDW,Mount Ida,USA,48.950980392156865)
(LAS,Monahans,USA,41.830601092896174)
(LAS,Meeker,USA,41.830601092896174)
(MDW,McGehee,USA,48.950980392156865)
(LAS,Lovington,USA,41.830601092896174)
(LAS,Keene,USA,41.830601092896174)
(LAS,Jal,USA,41.830601092896174)
(OAK,Hilliard,USA,41.294117647058826)
(LAS,Hatch,USA,41.830601092896174)
(MDW,Hartford,USA,48.950980392156865)
(LAS,Gruver,USA,41.830601092896174)
(OAK,Griffith,USA,41.294117647058826)
(LAS,Graham,USA,41.830601092896174)
(OAK,Gatesville,USA,41.294117647058826)
(LAS,Eunice,USA,41.830601092896174)
(LAS,Enterprise,USA,41.830601092896174)
(LAS,Eek,USA,41.830601092896174)
(LAS,Dyersburg,USA,41.830601092896174)
(LAS,Duluth,USA,41.830601092896174)
(LAS,Douglas Bisbee,USA,41.830601092896174)
(OAK,Clanton,USA,41.294117647058826)
(OAK,Belmont,USA,41.294117647058826)
(LAS,Andrews,USA,41.830601092896174)
2023-11-26 16:57:36 004 [main] INFO  org apache pig Main   Pig
```

- **Problem Statement 4: Routes with Maximum Diversions**

```
2023-11-26 17:00:59,123 [main] INFO  org.apache
((MDW,HOU),6)
((MCO,BWI),6)
((MDW,FLL),5)
((MDW,IAD),4)
((MCO,BHM),3)
((MCO,BNA),3)
((MCI,TUL),3)
((MCI,STL),3)
((MCO,BUF),2)
((MCO,DTW),2)
2023-11-26 17:00:59,145 [main] INFO  org.apache
```