A. Which vendors have the most trips, and what is the total revenue generated by that vendor?

```
[hadoop@ip-172-31-20-206 MapReduceAssignment]$ cat yellow_tripdata_2017-01.csv | python 4a_mapper.py | python 4a_reducer.py
Vendor ID: 2
Total Revenue: 5312899.0
[hadoop@ip-172-31-20-206 MapReduceAssignment]$ [
```

B. Which pickup location generates the most revenue?

```
Jenerates the most revenue?

Senerates the mo
```

C. What are the different payment types used by customers and their count? The final results should be in a sorted format.

```
=1
-206 MapReduceAssignment]$ [
```

D. What is the average trip time for different pickup locations?

```
adoop@ip-172-31-20-206 MapReduceAssignment]$ cat yellow_tripdate_2017-01.csv | python 4d_mapper.py | python 4d_reducer.py
e average trip time for pickup location 140 is 13.38 minutes
e average trip time for pickup location 41 is 11.64 minutes
e average trip time for pickup location 41 is 11.64 minutes
e average trip time for pickup location 84 is 13.79 minutes
e average trip time for pickup location 236 is 12.04 minutes
e average trip time for pickup location 236 is 12.03 minutes
a average trip time for pickup location 236 is 12.03 minutes
a average trip time for pickup location 246 is 14.64 minutes
a average trip time for pickup location 141 is 16.79 minutes
a average trip time for pickup location 162 is 17.64 minutes
a average trip time for pickup location 163 is 14.68 minutes
a average trip time for pickup location 163 is 14.68 minutes
a average trip time for pickup location 163 is 14.68 minutes
a average trip time for pickup location 186 is 15.64 minutes
a average trip time for pickup location 186 is 15.65 minutes
a average trip time for pickup location 163 is 14.63 minutes
a average trip time for pickup location 262 is 12.15 minutes
a average trip time for pickup location 263 is 12.15 minutes
a average trip time for pickup location 264 is 13.76 minutes
a average trip time for pickup location 164 is 15.64 minutes
a average trip time for pickup location 170 is 13.75 minutes
a average trip time for pickup location 170 is 13.75 minutes
a average trip time for pickup location 170 is 13.75 minutes
a average trip time for pickup location 170 is 13.75 minutes
a average trip time for pickup location 170 is 13.75 minutes
a average trip time for pickup location 181 is 12.28 minutes
a average trip time for pickup location 182 is 12.69 minutes
a average trip time for pickup location 183 is 12.74 minutes
a average trip time for pickup location 183 is 12.74 minutes
a average trip time for pickup location 183 is 12.79 minutes
a average trip time for pickup location 186 is 16.66 minutes
a average trip time for pickup locat
```

E. Calculate the average tips to revenue ratio of the drivers for different locations in sorted format.

F. How does revenue vary over time? Calculate the average trip revenue per month - analyzing it by hour of the day (day vs night) and the day of the week (weekday vs weekend).

```
[[hadoop@ip-172-31-20-206 MapReduceAssignment]$ cat yellow_tripdate_2017-01.csv | python 4f_mapper.py | python 4f1_reducer.py
1-2017-dsy-weekady Average revenue: $15.55
1-2017-dsy-weekady Average revenue: $14.27
1-2017-dsylt-weekand Average revenue: $15.93
1-2017-night-weekad Average revenue: $16.93
[hadoop@ip-172-31-20-206 MapReduceAssignment]$
```