Note:

- 1. The format of the results of your code should match the results given in each problem in the assignment.
- 1. Load data from flightdata2018.json and airports.json
- 1.1. Show the most important airports according to pageRank (resetProbability=0.15, maxIter=10). The result should be displayed in descending order of pagerank.

1.2 Show the average delay of each Scheduled Depart Hour (crsdephour) from LGA airport. The result should be displayed in descending order of average delay.

+	++
crsdephour	avg(delay)
21	58.51034482758621
19	
18	
15	56.19718309859155
22	52.98666666666665
20	52.81941309255079
17	49.28086419753087
16	43.59234234234234
13	42.802222222222
12	42.41463414634146
14	40.632603406326034
11	38.05428571428571
9	37.07849829351536
7	36.63453815261044
10	34.9458762886598
8	34.69613259668508
6	30.15813953488372
5	27.73170731707317
+	+

1.3. Find all destinations that does not have direct flight from LGA but can be reached with one transit. The result should be display in the ascending order of the id of destination and transit airport.

+	-+	+
origi	n destina	tion transit
+	-+	+
LGA	EWR	ATL
LGA	EWR	BOS
LGA	EWR	CLT
LGA	EWR	DEN
LGA	EWR	DFW
LGA	EWR	IAH
LGA	EWR	MIA
LGA	EWR	ORD
LGA	LAX	ATL
LGA	LAX	BOS
LGA	LAX	CLT
LGA	LAX	DEN
LGA	LAX	DFW
LGA	LAX	IAH
LGA	LAX	MIA
LGA	LAX	ORD
LGA	SEA	ATL
LGA	SEA	BOS
LGA	SEA	CLT
LGA	SEA	DEN
LGA	SEA	DFW
LGA	SEA	IAH
LGA	SEA	MIA
LGA	SEA	ORD
LGA	SFO	ATL
LGA	SFO	BOS
LGA	SF0	CLT
LGA	SFO	DEN
LGA	SF0	DFW
LGA	SFO	IAH
LGA	SFO	MIA
LGA	SF0	ORD
+	-+	+

1.4. Computes shortest paths from each airport to LGA.

```
| id| distances|
+---+
|IAH|[LGA -> 1]|
|CLT|[LGA -> 1]|
|LAX|[LGA -> 2]|
|DEN|[LGA -> 1]|
|DFW|[LGA -> 1]|
|SF0|[LGA -> 2]|
|LGA|[LGA -> 0]|
|ORD|[LGA -> 1]|
|MIA|[LGA -> 1]|
|SEA|[LGA -> 2]|
|ATL|[LGA -> 1]|
|BOS|[LGA -> 1]|
|EWR|[LGA -> 2]|
+---+
```