CS5560 Knowledge Discovery and Management

Problem Set (PS-2A) June 12, 2017

Name:

Class ID:

1. Draw knowledge graphs (both Schema and Data graphs)

CHICAGO (AP) — Citing high fuel prices, United Airlines said Friday it has increased fares by \$6 per round trip on flights to some cities also served by lower-cost carriers. American Airlines, a unit AMR, immediately matched the move, spokesman Tim Wagner said. United, a unit of UAL, said the increase took effect Thursday night and applies to most routes where it competes against discount carriers, such as Chicago to Dallas and Atlanta and Denver to San Francisco, Los Angeles and New York.

- 2. Design question answering for the given input text. Try to include at least one questions for the following question types.
 - What
 - Where
 - When
 - Who
 - How
 - How much
 - Yes/No

auestion. . What is the effect of the fuel prices raise? Answer

Where is American Airlines situated?

AMBAKOAN ON: 469 YMING) FORES ONE INCLEONEDS · When

said about the effect on faver?

raise in fuel price effect the routerand roundtrip

. How much fore increased due to the effects?

· Yes No: 2s chicago to Dallas route changed 168. @ Dough for Question Answering system -

HERST

. text input

· Lemmatization

· store in Map Reduce Lkey, value 7 pair.

· Read quention and remmatize.

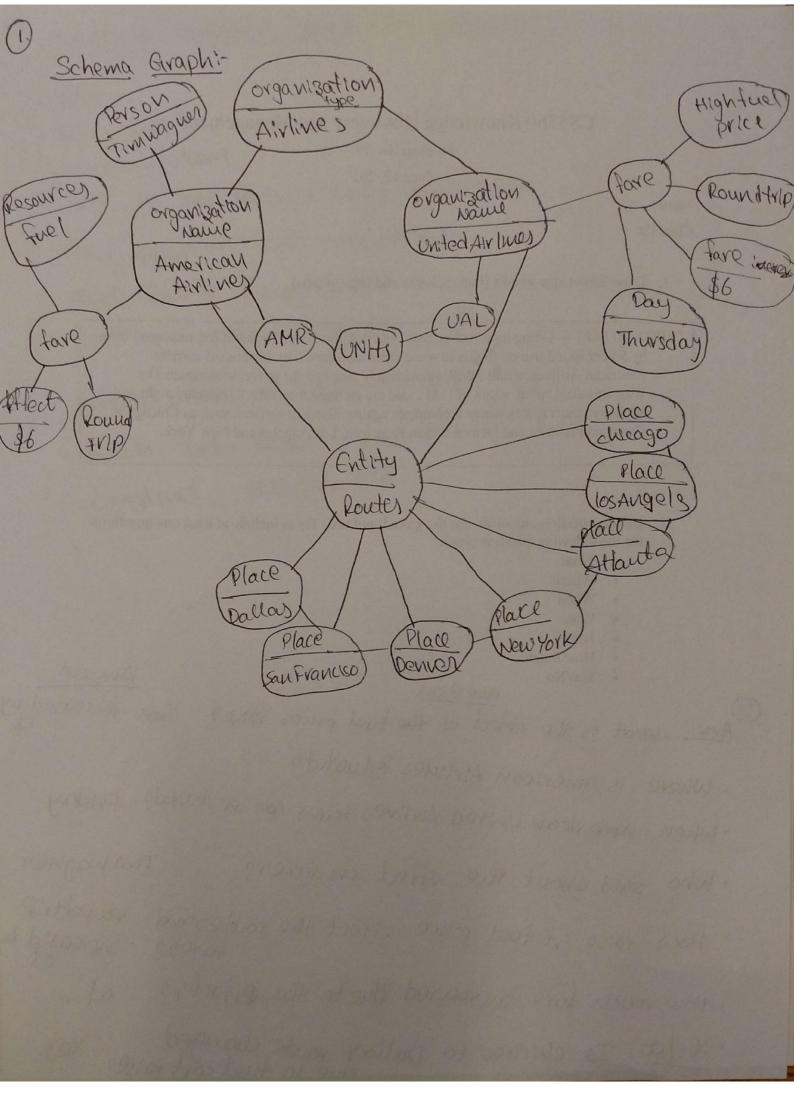
" Name Entity Recognization.

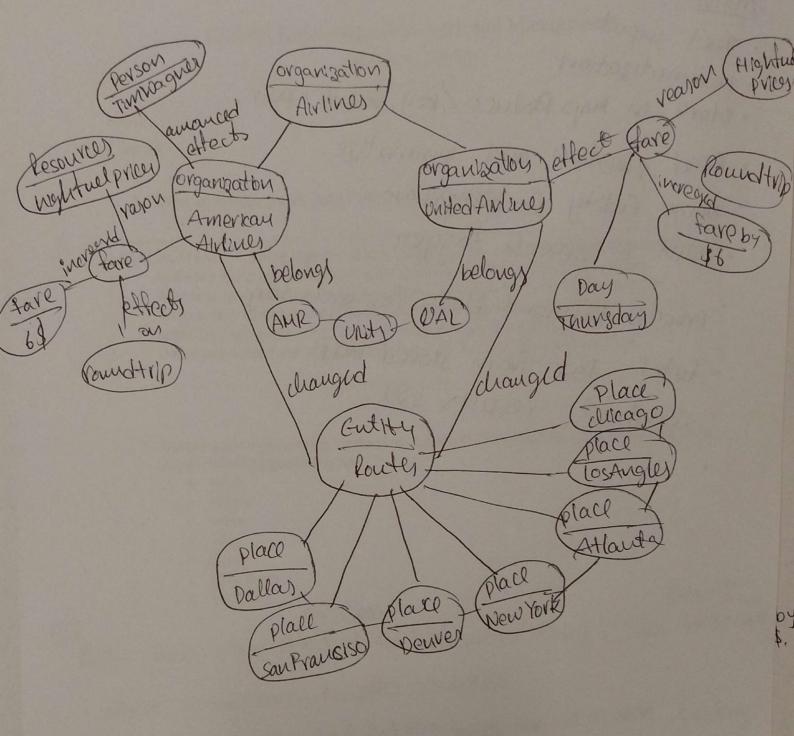
· part of speech tagger.

· procen different flows for each tag.

· fetch Data from stored Map.

· construct results sol





· Datagraph edge has some data to represent the relation among entities.