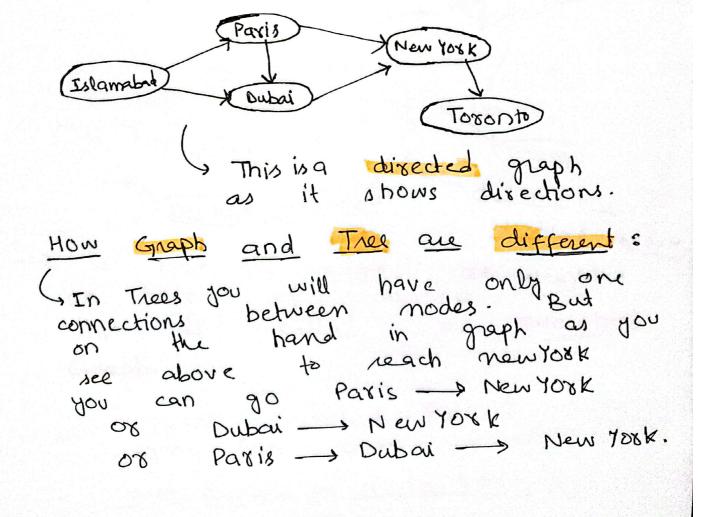


Another example:



+Graphs are used to find paths b/w nouter - Also we can find sho find shorted path. Like in previous graph to reach new York paths ares ) Isl -> Paxis -> New York (i) Isl -> Paris -> Dubal -> NY (iii) Isl -> Dubai -> NY G and shortest paths are; (i) Isl -> Paris -> NY
(ii) Isl -> Dubai -> NY Consider a graphs 3000 400 Toronto) > dictance by on base of distance so this is called as weighted

So Now Snortest Path to reach NY (on base of distance)

Isl <u>5000</u>; Boston <del>200</del>; Haxtford <del>100</del>; My

Graph.

-> Google Maps uses graphs bening → Facebook Give can represent connected modes like we can represent as Tupple as Tupple as it is acting like pair.

as it is (Ist, Dubai) Implementation Tips Generalis we can do is: Gransform Tupple in the way and that each mode is key and that each mode (list) of modes it has value (list) connected with it. like: «Isl": [ Dubai ? Paxis] similarly for all ( ) How we will Transform Tuples to Dictionaries ; GIT we are getting (Ist, Dubai) ->
we will make Isl as key on Dubai
as value. G After that we get (Isl, Paxis) ->
we will simply append Paxis with Dubai.