LAB 4 BRAINSTORM

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This program will take input as a tweet and categorize it based on information contained within.

1. Open a scanner and take next() 🡪 store to string “tweet”
2. Take a substring (type) from start = (indexOf(#) + 5 to finish = (indexOf(“;”+1) to take first input string
3. Reassign tweet to finish through length
4. Trim type and reassign to type
5. Use string.equals & if statements to assign category: fire/smoke = alert; need = need; offer = offer; structure/road/photo/evac = info; else = unknown;
6. Re assign finish to start to take the next information
7. Make sure finish is index of “;” and run on newly assigned tweet
8. Repeat steps above for categories #det; #loc; lat; #lng; but we don’t need the location, so when we take that substring out, discard it and continue;

* Variables:
  + String tweet
  + Int start, finish
  + String type, detail, location, latitude, longitude
  + Enumeration messageCategory (need, offer, alert, info, unknown)
  + Category
  + Final Doubles
    - NORTH, EAST, WEST, SOUTH
  + Bool isInRange