

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