

### Activity 2:

Keyword	Response
No	Why so negative?
Brother, Sister, Father, Mother	Tell me more about your family.
wildcard	WIILLDDCCAAARRRDDDD!!!111

When a string contains multiple keywords, the prioritized response is the keyword that is checked for first in the code.

### Questions:

1. When a keyword is in another word, the chatbot will still respond to the prompt as though it were responding to a prompt with the keyword not in another word.

### Activity 3:

findKeyword("She's my sister", "sister", 0);

Iteration	psn	before	after
1	9	“ “	null

findKeyword("Brother Tom is helpful", "brother", 0);

Iteration	psn	before	after
1	0	null	“ “

findKeyword("I can't catch wild cats.", "cat", 0);

Iteration	psn	before	after
1	8	“ “	“c”
2	19	“ “	“s”

findKeyword("I know nothing about snow plows.", "no", 0);

Iteration	psn	before	after
1	3	“k”	“w”
2	7	“ “	“t”
3	21	“s”	“w”

#### Activity 4:

An example of how the “I want *something*” and “I *something* you” can be flawed are seen in the examples “I want you,” “I want to meet you,” “I would like to hug you”

“I want you” would produce two possible answers, depending on which structure appears first in the code. You can either get the more reasonable response of “why do you want me?”, or the less reasonable, “would you really be happy if you had you?” Now admittedly the prompt was weird, but the second possible response doesn’t make sense. The second “you” should be “me.”

“I want to meet you,” like the previous prompt would also produce two possible answers, again depending on which structure appears first in the code. You can either get the more reasonable response of “why do you want to meet me?”, or the less reasonable, “would you really be happy if you had to meet you?” Now that just hurts, I would love to meet me. Jokes aside, like the previous mentioned prompt, the second “you” should be “me.”

“I would like to hug you” would give the response “why do you would like to hug me?” That’s almost correct, but the “would” gets in the way. This points to a problem of the chatbot not necessarily being able to handle the different ways people speak.