Assignment Mark Request for Term 2, 2023

Language:	Python 3

Basic Version	
Limitations/Issues	**Possible Solutions**
This is not working with some names from the given list of 4000 names for performance testing; it would be reported as not found from not getting an answer (end with getting a response code of 5) even though searching from every root in the named.root file.	Need to fix this.

Enhancement 1:	Error Handling

Limitations/Issues	Possible Solutions
The resolver doesn't stop searching after the client gives up the connection with a timeout.	This doesn't raise any problems (error), and the searching time in not much.

Enhancement 2:	Performance Reporting

Limitations/Issues	Possible Solutions
As mentioned in Basic's limitations, some of the names aren't working with my resolver; moreover, when sending a query to a public resolver with my client, I would get a response code of 2. The same goes for starting searching from 1.1.1.1 or 8.8.8.8 with the resolver. I could only correct data from testing with my client and resolver using a script.	Collect only data that's working. I just found out I could try setting the desired recursion to make it work when the client is building the query, but it is too late for me to try it, sorry.

Enhancement 3:	-

Limitations/Issues	Possible Solutions