Language:	Java	quest 101 Term 2, 2023			
Basic Version					
Limitations/Issues		Possible Solutions			
Make sure recursion desired variable in Client in the function constructDNSQuery is set as false.		none			
constructDNSQuery is set as false. If I get a response from a server that has no answers and no referral IP's but it does have an authority section this is the only time I will look up the authority sections nameservers to try and obtain extra referral IP addresses.					

Enhancement 1: Error Handling		
Limitations/Issues	Possible Solutions	
none	none	

Enhancement 2: Advanced Records and Reverse DNS			
Limitations/Issues	Possible Solutions		
Doesn't support PTR queries due to not having time to add the parsing code. For mx queries the preference values are the numbers displayed	Wouldn't have to do too much accept do add a little extra parsing code to create the question name for PTR queries.		

Enhancement 3: Performance reporting		
	Limitations/Issues	Possible Solutions
comment out all the Sys performance report. When testing my local reto the script continually resolver for each of the cresolving one domain, the would time out and then while the previous query	was testing were not resolvable, so I had to stem.exit(1) lines when running the resolver, a problem that was happening is due creating new clients to send a query to the different domains. If the resolver got stuck on hen the corresponding client for that query a new client and thus query would be made y is still being resolved at the resolver. And n't even get to process those requests as they	Find 7000 resolvable domains so the System.exit(1) lines won't be used. Should have done the timing in the resolver instead of the client and then have client timeout set to a really large number as then this problem wouldn't happen.