Language:	Python 3			
Basic Version				
	Limitations/Issues	Possible Solutions		
automatica result, corr from the ex- trail with 1 2. When read servers, re- containing produces a .decode() t 3. If encounter resolver er RR. Resol	sing domain names, domain names are ally split by '.' to attain domain name labels. As a rect formatting within responses is slightly deviated expected outcome, with each found nameserver to no ['.' ling bytes of other encoded domain servers or name adName function is limited by data of bytes hexadecimal notated bytes, e.g. b'\xc9', which a UniDecodeError when attempting to utilise the inputted bytes.  Bered a CNAME result from an A type query, the ends its resolution process in only returning CNAME wer results in an infinite loop query loop in g previous domain names, leading to timeout	<ol> <li>Implement string operations when parsing the answer response to the client. Applying these operations to nameservers before being sent back to client can solve this limitation.</li> <li>Create a function that parses through every byte within a given section of data containing bytes, determine whether the parsed byte is hexadecimal to use .encode() by implementing try and except to capture UniDecodeError. If caught error, use to_bytes function to convert hexadecimal notated byte to decode given byte.</li> <li>When resulting in a CNAME and if it has authoritative name servers, change current target domain name to be the canonical name of the CNAME RR for successive queries to find, which allows for other authoritative names to be searched and find the type A response.</li> </ol>		

<b>Enhancement 1:</b>	Error handling	
Limitations/Issues		Possible Solutions
This can le	name format is identified as a code 3 name error.  ead to confusion as incorrect formatting of a domain ld refer to another type of arbitrary error, such as format inputted'.	<ol> <li>Utilise exceptions to pick up errors other than code 1, 2, 3 and others. For example, catching SystemExit exceptions to capture a helper function leave indicating occurred error, specifying the exact error of the function leave.</li> <li>2.</li> </ol>

Enhancement 2: Advanced Records and Reverse DNS	
Limitations/Issues	Possible Solutions
Interface allows for command line input of advanced records, however CNAME, PTR and MX records are unsuccessful requests, with resolver unable to process these 3 types.	Similar to basic version limitation, when encountered with a CNAME resource record, allocate the SNAME to be the canonical name of the CNAME resource record for it to be queried again from the root, and iteratively find successive authoritative name servers till reached CNAME.

Enhancement 3: Client Multiplexing			
Limitations/Issues	Possible Solutions		
Limitations/Issues  1. Applied threading module to accept multiple client DNS queries, however, no data structure utilised as per spec.	1.		