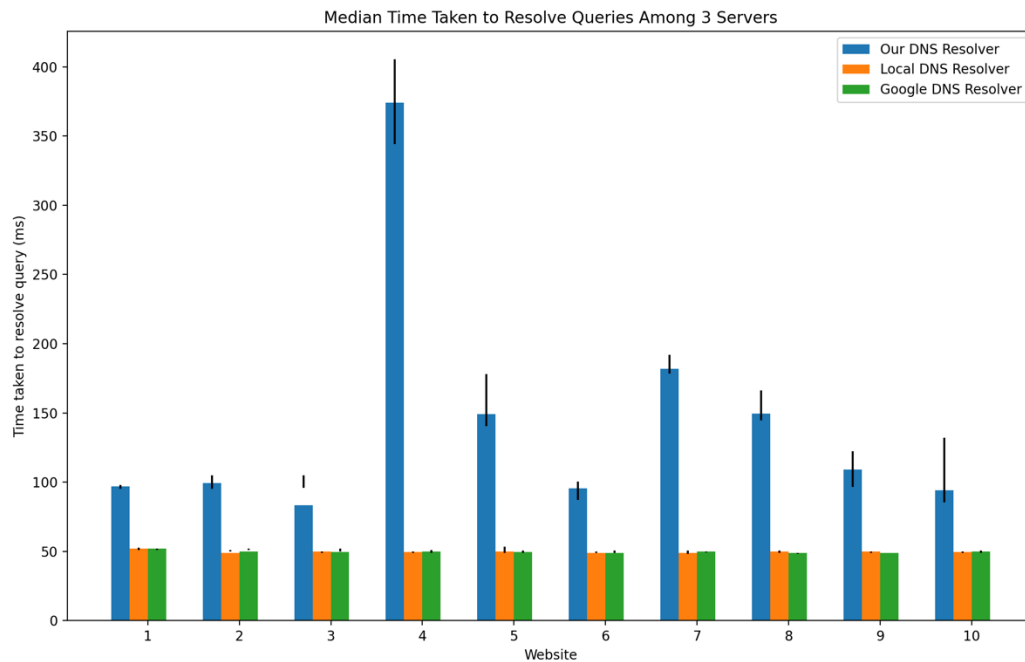


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## Programming Assignment #1, Part B Response



Note: 1: Google.com, 2: Youtube.com, 3: Facebook.com, 4: Zhihu.com, 5: Amazon.com, 6: Yahoo.com, 7: Wikipedia.com, 8: Zoom.com, 9: Live.com, 10: Instagram.com

In comparison to Google's DNS Resolver, and the local DNS Resolver, mydig.py took more time to resolve dig queries. The most notable one is website 4, zhihu.com, with a close to 400 ms response from mydig.py while Google and local had an average of 50 ms each. Google's DNS Resolver and the local DNS Resolver likely have popular sites like these 10 websites already cached. Cached responses will always be quicker than constantly going to the root and resolving from each authoritative server in order to get the resulting IP address like our mydig.py resolver written using dnspython.