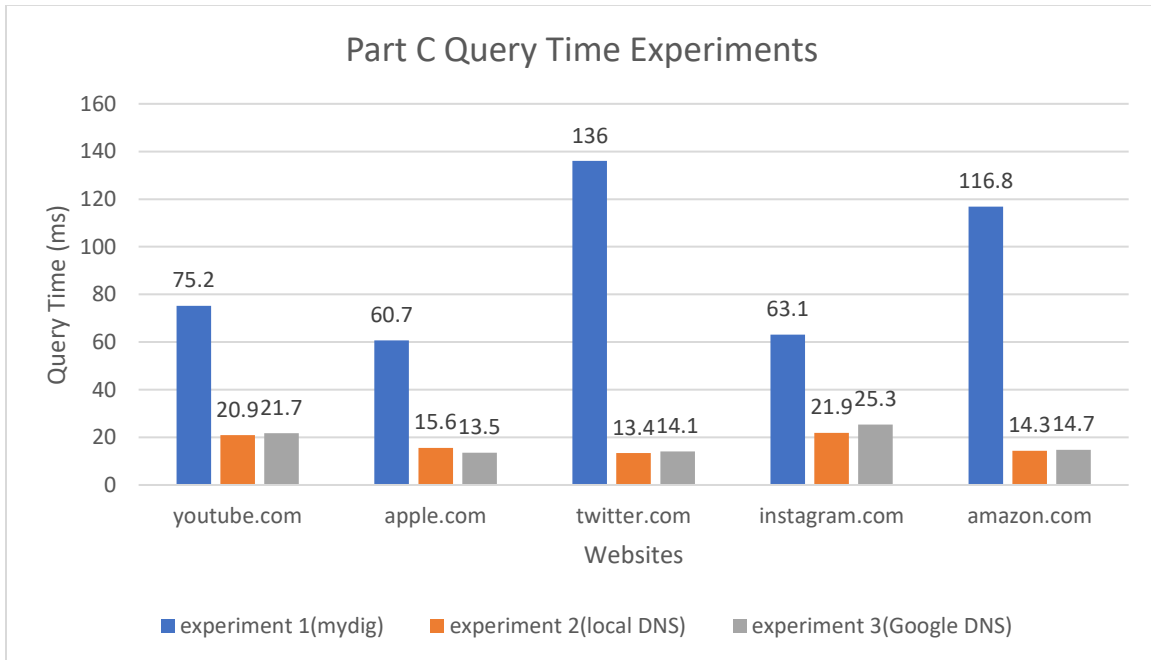Part C:

Part C Query Time Experiments

We can observe that mydig dns resolver has a much larger query time than other 2 DNS resolvers. This is caused by the recursively DNS resolution and it does not cache any DNS. We have to find the ip address for a domain everytime.

The local DNS has a slightly smaller query time than Google DNS. The local DNS is my router which has the closest distance from my computer compared with google DNS. That's the reason why it is slightly faster than Google DNS.