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| **Experiment No: 9** | |
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| **Date of**  **Performance** |  |
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| **Title** | Write a program that performs DNS Lookup |
| **Theory (short)** | DNS (Domain Name System) is responsible for translating human-readable domain names (like example.com) into IP addresses (like 93.184.216.34) that computers use to identify each other on the network. DNS acts as a phonebook of the internet by matching domain names to their corresponding IP addresses. |
| **Program** | *import* socket  def dns\_lookup():      print("DNS Lookup")      link = 'a'    *while* (link != "end"):          link = input("Enter website name: ")  *if*(link != "end"):              host = socket.gethostbyname(link)              print("IP address of", link, "is", host, "\\n")        print("Closed.")  *if* \_\_name\_\_ == "\_\_main\_\_":      dns\_lookup() |

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| **Output**  **Screenshots** |  |