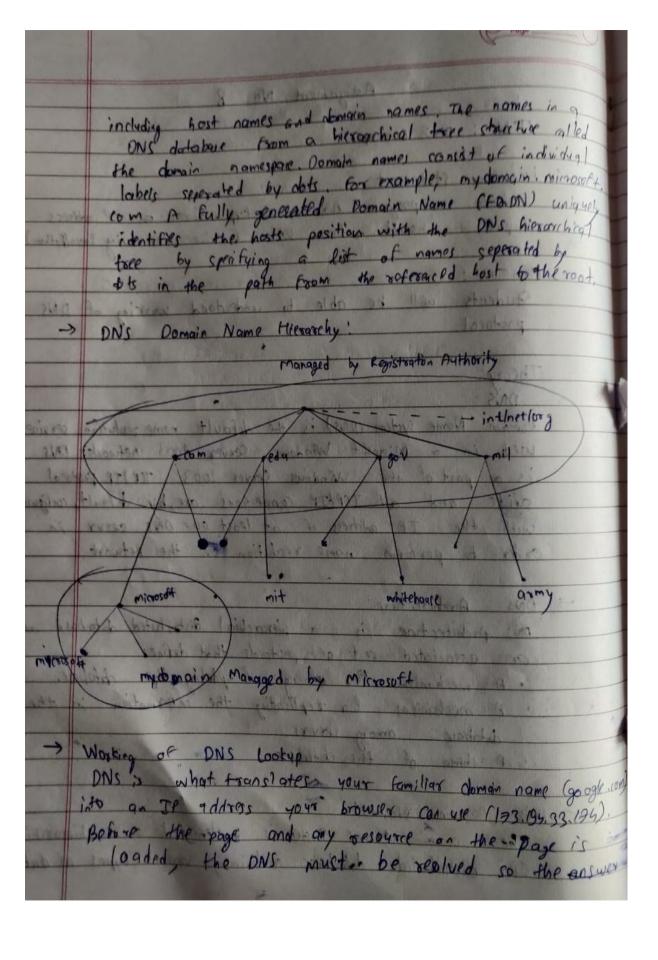
## Writeup

	Classmate
	Date Page
	Assignment No. 8
	THO ' DNG
-	Title: DNS Lookup
A STATE OF THE PARTY OF THE PAR	1 Toolem Statement.
2	Write a con
	input, it should action URL & vice versa luing Javallethan)
	VEDA PINA TOUR TOUR
	Students will be able to understand working of DNS
	protocol. working of DNS
	Theory:
->	DNS:
	Domain Name system (DNS) is the default name prolution service
	wed in a Mirrost Windows Server 2003 network. DNS
	is a part of the Windows Server 2003 TIP IIP protocol
	suite and all TIPITE connections are, by default, configured
	with the IP galatess of at least one DNs server in
	order to perform name resolution on the network.
-9	DNS Architecture:
	ons prehitecture is a hierarchial distributed database and
	an associated set of protocols that define:
	the detabase.
	· A mechanism by replicating the information in the
	the mechanism we organism
-	detabase among servers.
-	· A schema of the database.
-	by send reliant than the
20	No Domain Name).
4	No Domain Name: System is implemented as a hierorchical The pomain Name System is implemented as a hierorchical and distributed database containing various types of duta,
	and distributed delabase anguing
	WILL COLLEGE



```
boo wsex
                                7(P
                                      connection
               for every external resources
           resolution must complete
 (per unique domain) before
               Resolution process stoots
                                proword
          point, the boower
                                             operating
                         Query to DINS Resolver
               Recursive
                         Transfive Query to the
                         Response
          DIVS Resolver Iterative Query
                          Response
             ONS Resolver standive Query to the
                        INS ROSPOND
           Google.com
                              Response to Os
              DNS Resolar
                          goots PCP handehake
              Hence, we have guiled working of ONS Protocal
```

## Code

```
import socket
i="1"
while i=="1" or i=="2":
    i = input("Enter 1 for IP to domain name or 2 for Domain Name to IP: ")
    if i=="1":
        j = input("Enter IP Address: ")
        domain = socket.gethostbyaddr(j)[0]
```

```
print(domain)

if i=="2":
    k = input("Enter domain name: ")
    ip = socket.gethostbyname(k)
    print(ip)
```

## Outputs

