DNS SERVER TO RESOLVE A GIVEN HOST NAME

#include<stdio.h>

#include<netdb.h>

#include<arpa/inet.h>

#include<netinet/in.h>

int main(int argc,char\*\*argv)

{ char h\_name;

int h\_type;

struct hostent \*host;

struct in\_addr h\_addr;

if(argc!=2)

{ fprintf(stderr,"USAGE:nslookup\n");

}

if((host=gethostbyname(argv[1]))==NULL)

{

fprintf(stderr,"(mini)nslookup failed on %s\n",argv[1]); }

h\_addr.s\_addr=\*((unsigned long\*)host->h\_addr\_list[0]);

printf("\n IP ADDRESS=%s\n",inet\_ntoa(h\_addr));

printf("\n HOST NAME=%s\n",host->h\_name);

printf("\nADDRESS LENGTH =%d\n",host->h\_length);

printf("\nADDRESS TYPE=%d\n",host->h\_addrtype);

printf("\nLIST OF ADDRESS=%s\n",inet\_ntoa(h\_addr\_list[0]));

}

OUTPUT

[it28@localhost ~]$ vi dns.c

[it28@localhost ~]$

cc dns.c [it28@localhost ~]$

./a.out 90.0.0.36

IP ADDRESS=90.0.0.36

HOST NAME=90.0.0.36

ADDRESS LENGTH =4

ADDRESS TYPE=2

LIST OF ADDRESS=90.0.0.36