**EX.NO: DYNAMIC HOST CONFIGURATION PROTOCOL**

**DATE:**

**PROBLEM STATEMENT:**

**ALGORITHM:**

**CODING:**

#include<stdio.h>

#include<string.h>

int main()

{

char ip[10][20]={"192.168.0.64","192.168.0.60","192.168.0.68","132.147.3.3"};

char et[10][20]={"SYSTEM1","SYSTEM2","SYSTEM3","SYSTEM4"};

char ipaddr[20],etaddr[20];

int i,op;

int x=0,y=0;

while(1)

{

printf("\n\n 1.DHCP 2.EXIT");

printf("\n enter the choice");

scanf("%d",&op);

switch(op){

case 1:

printf("enter host system");

scanf("%s",etaddr);

for(i=0;i<=20;i++)

{

if(strcmp(etaddr,et[i])==0)

{

printf("IP address is %s",ip[i]);

y=1;

}

}

if(y==0)

printf("Host system not found in network");

y=0;

break;

case 2:

printf("Exit... \n");

return 0;

}

}

}

**OUTPUT:**

**[201603052@Putty ~]$ vi dhcpsri.c**

**[201603052@Putty ~]$ cc dhcpsri.c**

**[201603052@Putty ~]$ ./a.out**

1.DHCP 2.EXIT

enter the choice 1

enter host system SYSTEM1

IP address is 192.168.0.64

1.DHCP 2.EXIT

enter the choice 1

enter host system SYSTEM10

Host system not found in network

1.DHCP 2.EXIT

enter the choice 2

Exit...

**RESULT:**