Exp-10

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CSE-BD-N2

Program:

```c
#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]={"00_A8_00_40_8E_F5","00_16_17_31_8e_22","00_16_17_31_8E_F7","00_16_17_31_
8E_08"};

char ipaddr[20],etaddr[20];

int i,op;

int x=0,y=0;

while(1)

{

printf("\n\n 1.ARP \n 2.RARP \n 3.EXIT\n");

printf("\n enter the choice \n");

scanf("%d",&op);

switch(op)

{

case 1:

printf("\n enter ip address\n");

scanf("%s",ipaddr);

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

```c
{
if(strcmp(ipaddr,ip[i])==0)
{
printf("Ethernet address is \n %s",et[i]);
x=1;
} }
if(x==0)
printf("invalid ip address \n");
x=0;
break;
case 2:
printf("enter ethernet address \n");
scanf("%s",etaddr);
for(i=0;i<=20;i++)
{
if(strcmp(etaddr,et[i])==0)
{
printf("IP address is \n %s",ip[i]);
y=1;
} }
if(y==0)
printf("Invalid ethernet address \n");
y=0;
break;
case 3:
return 0;
} } }
```

OUTPUT:-