Exp 6

```cpp
#include<iostream>

#include<conio.h>

using namespace std;

int main()

{

int a,b,c,d,i;

int x[8]={0};

cout<<"Enter the IP addresses seperated by a space:";

cin>>a>>b>>c>>d;

cout<<"The IP adress is: "<<a<<"."<<b<<"."<<c<<"."<<d<<endl<<endl;

for(i=0;i<8;i++)

{

x[7-i]=a%2;

a=a/2;

}

if(x[0]==0)

{

cout<<"It is a Class A IP Address";

}

else if(x[0]==1&&x[1]==0)

{

cout<<"It is a Class B IP Address";

}

else if(x[0]==1&&x[1]==1&&x[2]==0)

{

cout<<"It is a Class C IP Address";

}

else if(x[0]==1&&x[1]==1&&x[2]==1&&x[3]==0)
```

```cpp
{
cout<<"It is a Class D IP Address";
}
else if(x[0]==1&&x[1]==1&&x[2]==1&&x[3]==1&&x[4]==1)
{
cout<<"It is a Class E IP Address";
}
getch();
}
```