**ASSIGNMENT 1**

**AIM: Write a program to IP address from user and identify its class**

**SOURCE CODE:**

#include<stdio.h>

#include<conio.h>

void main()

{

char a[5],ip[16];

int k=0, i=0;

printf("enter the IP address\n");

scanf("%s",&ip);

while(ip[i]!='.')

{

a[i]=ip[i];

i++;

}

a[i]='\0';

k=atoi(a);

if(k>=0 && k<=127)

printf("Class A address");

else if(k>=128 && k<=191)

printf("Class B address");

else if(k>=192 && k<=223)

printf("Class C address");

else if(k>=224 && k<=239)

printf("Class D address");

else if(k>239 && k<=255)

printf("Class E address");

else

printf("Not a valid IP address\n");

getch();

}

**OUTPUT:**

