ASSIGNMENT-1

AIM:-Write a program to identify classes in IPV4 address.

```c
#include<stdio.h>
#include<stdlib.h>
void main()
{
    char a[5],ip[16];
    int k=0,i=0;
    printf("Enter the IP address:");
    scanf("%s", ip);
    while(ip[i]!= '.')
    {
        a[i]=ip[i];
        i++;
    }
    a[i]='\0';
    k=atoi(a);
    if(k>=0 && k<=127)
    printf("\nClass A address");
    else if(k>=128 && k<=191)
    printf("\nClass B address");
    else if(k>=192 && k<=223)
    printf("\nClass C address");
    else if(k>=224 && k<=239)
    printf("\nClass D address");
    else if(k>=240 && k<=255)
    printf("\nClass E address");
    else
        printf("\nNot a valid IP address");
}
```

OUTPUT-

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