

# PROGRAM-8

Input a number and check whether it is a magic number or not

```
#include<iostream>
#include<conio.h>
using namespace std;
int main()
{
    cout<<"\n\n*****Program
8*****";

    int num,num1,i,j,k,flag=0,n,sum=0,c=0;
    cout<<"\nEnte any number of your choice:--";
    cin>>num;
    num1=num;

    while(flag==0)
    {
        while(num!=0)
        {
            n=num%10;
```

```
    sum=sum+n;
    num=num/10;
    c=c+1;
}
if (c==1)
{
    if (sum==1)

        cout<<num1<<"is a magic number";
    else
        cout<<num1<<"is not a magic number";
    flag=1;
}

    num=sum;
    sum=0;
    c=0;

}
getch();
}
```