

Write program in c++ language to recognition the input Lexeme if it number or not ?

Solution

```
#include<iostream.h>
#include<string.h>
#include<stdio.h>
#include<conio.h>
void main()
{
    char str[80],str1[80];
    cout<<"enter your string\n"; gets(str);
    int L1=strlen(str);
    If ((str[0]>='0'&&str[0]<='9')&&(L1==1))
    Cout<<"number"<<endl;
    Else
        For (int n=0;n<=L1;n++)
        {
            If ((str[0]>='0'&&str[0]<='9')
                If ((str[n]>='0'&&str[n]<='9') ||((str[n]=='.') &&
                ((str[n]>='0'&&str[n]<='9')) || ( ||((str[n]=='E') &&
                ((str[n]>='0'&&str[n]<='9'))
                Cout<<"number"<<endl;
            }
        }
    else
    cout<<"not number"<<endl;
}
```