Exp. No. 6
Develop a lexical Analyzer to test whether a given identifier is valid or not using C.

Program:

```c
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
int main()
{
        char a[10];
        int flag, i=1;
        printf("\n Enter an identifier:");
        gets(a);
        if(isalpha(a[0]))
                flag=1;
        else
                printf("\n Not a valid identifier");
                while(a[i]!='\0')
        {
                if(!isdigit(a[i])&&!isalpha(a[i]))
                {
                        flag=0;
                        break;
                } i++;
        }
        if(flag==1)
                printf("\n Valid identifier");
}
```

OUTPUT:

```
Enter an identifier:abc123

Valid identifier
--------------------------------
Process exited after 12.03 seconds with return value 0
Press any key to continue . . .
```