5.Develop a lexical Analyzer to test whether a given identifier is valid or not

```c
#include<stdio.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");

}
```

```
Enter an identifier:abc1234

Valid identifier
-----------------------------------
Process exited after 3.429 seconds with return value 0
Press any key to continue . . .
```