6. Develop a lexical Analyzer to test whether a given identifier is valid or not using C.

#include <stdio.h>

#include <string.h>

#include<ctype.h>

int main()

{

int i=0,flag=0;

char keyw[10][10]={"int","float","break","long","char","for","if","switch","else","while"},a[10];

printf("Enter Identifier : ");

gets(a);

for(i=0;i<10;i++)

{

if((strcmp(keyw[i],a)==0))

{

flag=1;

}

}

if(flag==1)

{

printf("\n%s is Keyword.",a);

}

else

{

flag=0;

if((a[0]=='\_')||(isalpha(a[0])!=0))

{

for(i=1;a[i]!='\0';i++)

{

if((isalnum(a[i])==0)&&(a[i]!='\_'))

{

flag=1;

}

}

}

else

{

flag=1;

}

}

if(flag==0)

{

printf("\n%s is an Identifier.",a);

}

else

{

printf("\n%s is Not an Identifier.",a);

}

return 0;

}

OUTPUT

