**Exp. No. 5**

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

**Program:**

#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:**

