**Exp. No. 5**

**Develop a lexical Analyzer to test whether a given identifier is valid or not using 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");**

**}**

