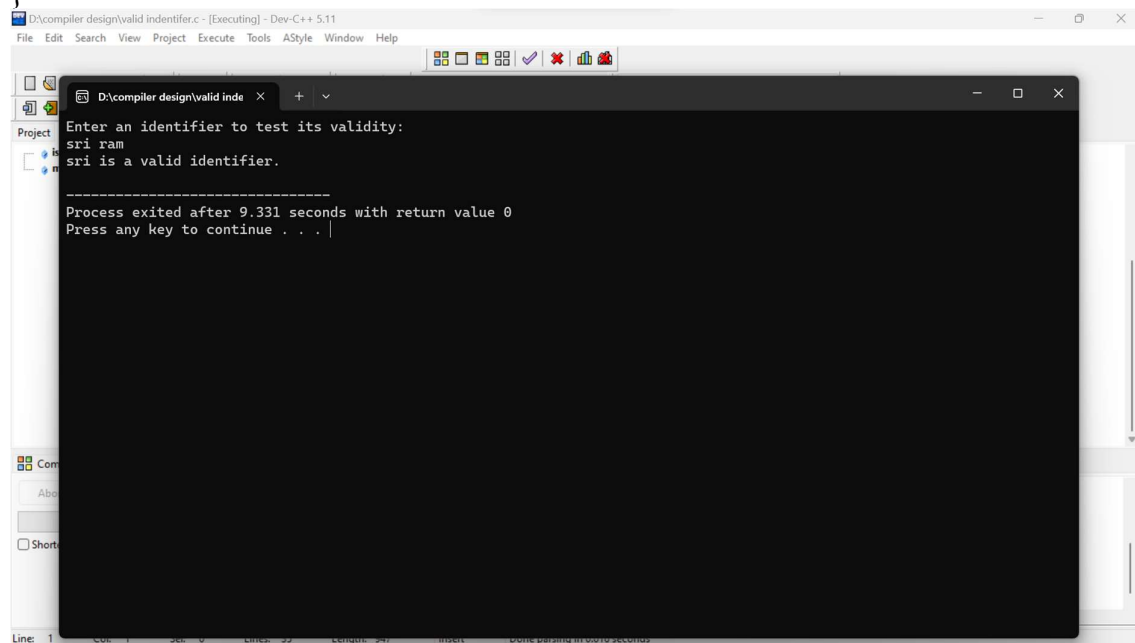5. Develop a lexical Analyzer to test whether a given identifier is valid or not.

```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
        {

                while(a[i]!='\0')
        {
                if(!isdigit(a[i])&&!isalpha(a[i]))
                {
                        flag=0;
                        break;
                } i++;
        }
}
        if(flag==1)
                printf("\n Valid identifier");
        else
            printf("invalid");
}
```