

### **PRACTICAL-3**

**AIM:** Write a C program to test whether a given identifier is valid or not.

**CODE:**

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<ctype.h>
void main()
{
    int i=0,flag=0;
    char
    keyw[10][10]={ "int","float","break","long","char","for","if","switch","else","while"},a[10];
    clrscr();
    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 a 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);
}
getch();
}
```

### **OUTPUT:**

#### **Test Case-1:**

```
Enter identifier:Hello
Hello is an identifier
```



**Test Case-2:**

```
Enter identifier:INT
INT is an identifier
```

**Test Case-3:**

```
Enter identifier:int
int is a keyword
int is not an identifier_
```

**Test Case-4:**

```
Enter identifier:_int
_int is an identifier_
```

**Test Case-5:**

```
Enter identifier:4INT
4INT is not an identifier_
```

**Test Case-6:**

```
Enter identifier:main
main is an identifier_
```

