

Assignment 5

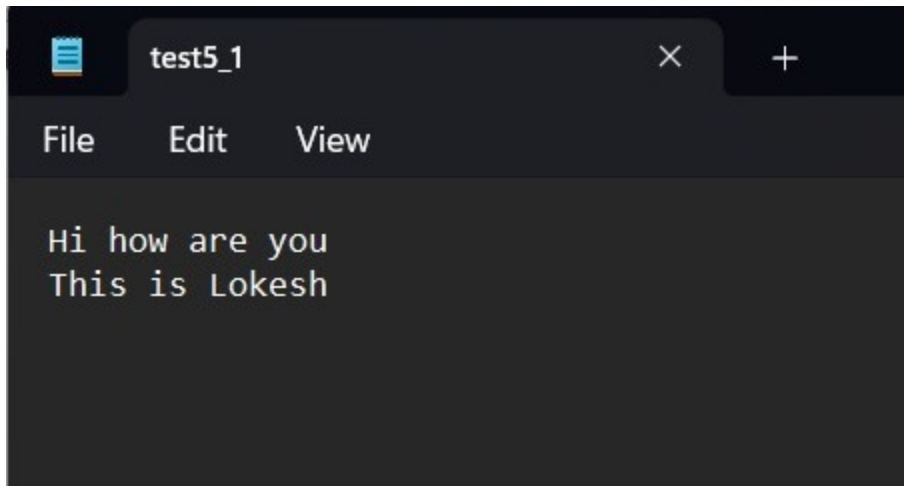
1. C PROGRAM TO COUNT BLANK SPACE AND COUNT THE NO. OF LINES

Code:

```
#include<stdio.h>

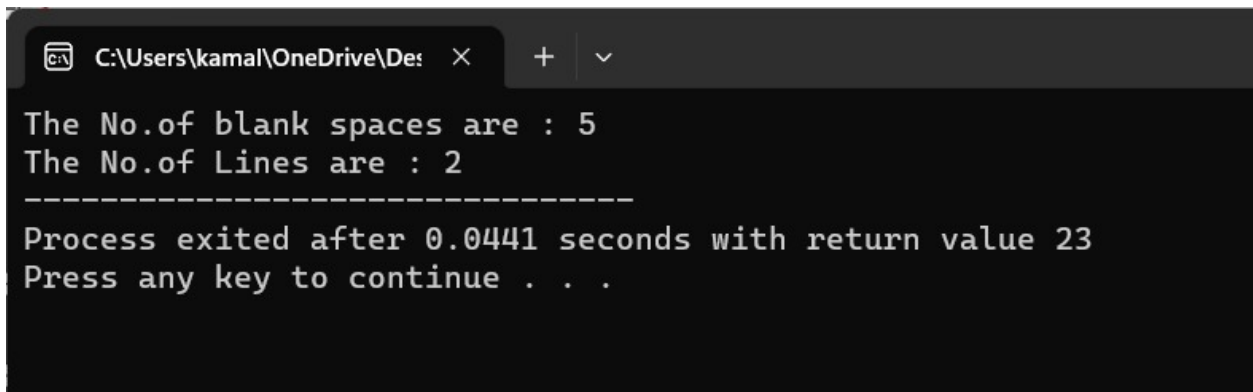
int main()
{
    int sp=0,lines=1;
    char ch;
    FILE *fptr;
    fptr = fopen("test5_1.txt", "r");
    while ((ch = fgetc(fptr)) != EOF)
    {
        if (ch == '\n')
        {
            lines++;
        }
        else if(ch==' ')
        {
            sp++;
        }
    }
    printf("The No.of blank spaces are : %d \n",sp-1);
    printf("The No.of Lines are : %d",lines);
}
```

Input:



```
test5_1
File Edit View
Hi how are you
This is Lokesh
```

Output:



```
C:\Users\kamal\OneDrive\De: x + v
The No.of blank spaces are : 5
The No.of Lines are : 2
-----
Process exited after 0.0441 seconds with return value 23
Press any key to continue . . .
```

2. C PROGRAM TO FIND WHETHER A GIVEN STRING IS AN IDENTIFIER OR NOT

Code:

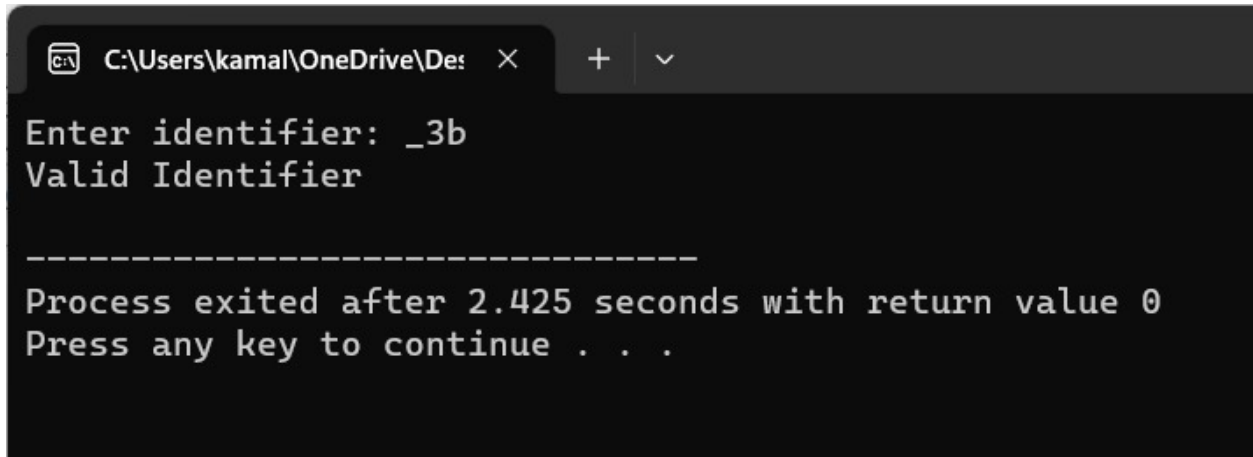
```
#include<stdio.h>
int main()
{
    char s[20];
    printf("Enter identifier: ");
    scanf("%s",s);
    if((s[0]>='a' && s[0] <= 'z') || (s[0]>='A' && s[0] <= 'Z') || s[0] == '_')
    {
        printf("Valid Identifier\n");
    }
    else{
```

```

        printf("Invalid Identifier\n");
    }
}

```

Output:

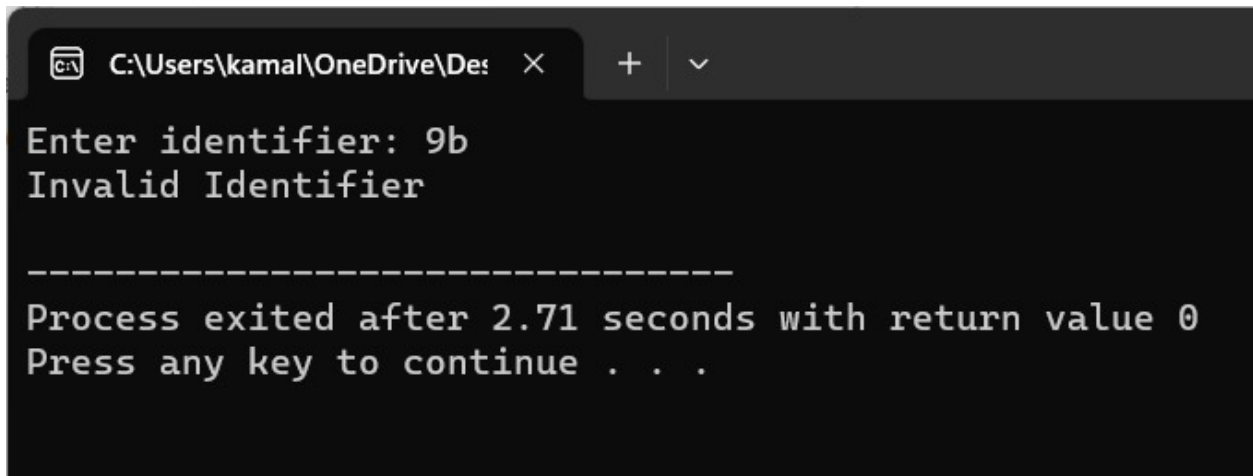


```

C:\Users\kamal\OneDrive\Desktop >
Enter identifier: _3b
Valid Identifier

-----
Process exited after 2.425 seconds with return value 0
Press any key to continue . . .

```



```

C:\Users\kamal\OneDrive\Desktop >
Enter identifier: 9b
Invalid Identifier

-----
Process exited after 2.71 seconds with return value 0
Press any key to continue . . .

```

3. C PROGRAM TO FIND WHETHER A GIVEN STRING IS CONSTANT OR NOT

Code:

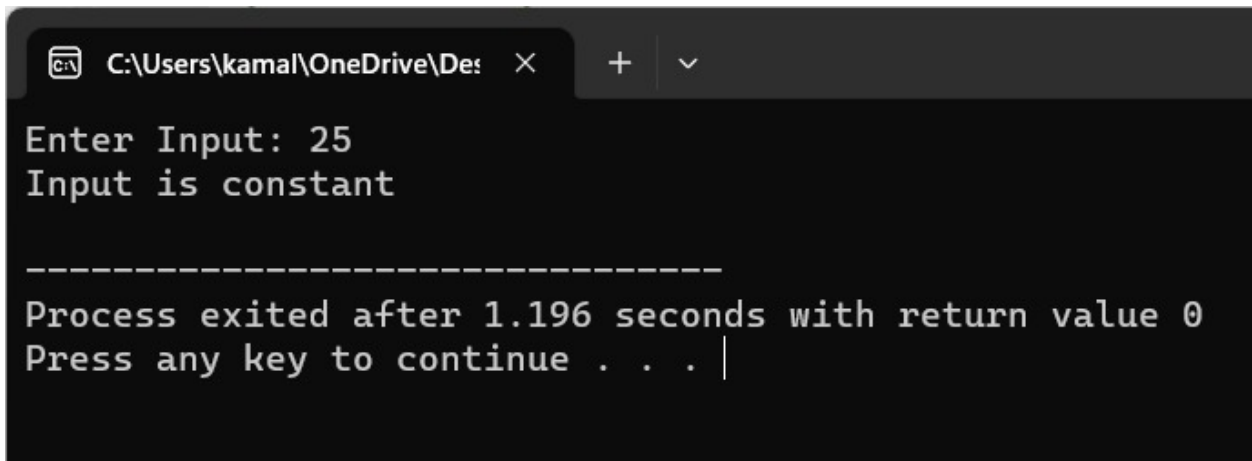
```

#include<stdio.h>
#include<ctype.h>
int main()
{
    char str[20];
    printf("Enter Input: ");
}

```

```
scanf("%s",str);
int flag=0;
for(int i=0;str[i]!='\0';i++)
{
    if(isdigit(str[i]))
        flag=1;
    else if(!isdigit(str[i])){
        flag=0;
        break;
    }
}
if(flag==1)
printf("Input is constant\n");
else
printf("Input is not a constant\n");
}
```

Output:



```
C:\Users\kamal\OneDrive\De: × + v
Enter Input: 25
Input is constant

-----
Process exited after 1.196 seconds with return value 0
Press any key to continue . . . |
```



C:\Users\kama1\OneDrive\Des



Enter Input: hi

Input is not a constant

Process exited after 2.552 seconds with return value 0

Press any key to continue . . .