printf():

It is the major output function in C.

It is a predefined function available in stdio.h

Printf always refer standard output device i.e. monitor.

In printf, f means formatted

Syntax:

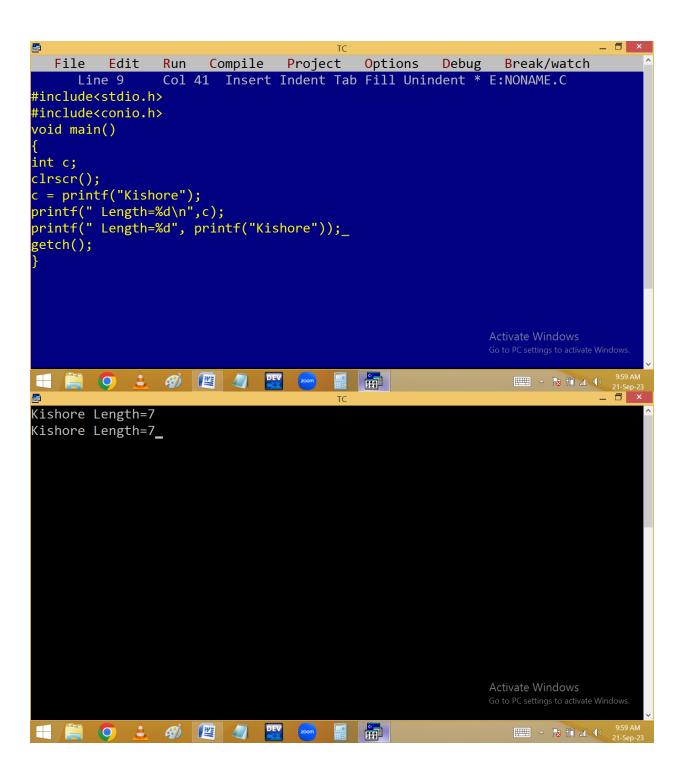
```
int printf( "[text] [ conversion char / format specifiers ] " [ ,
variables ] [ , expressions ] );
```

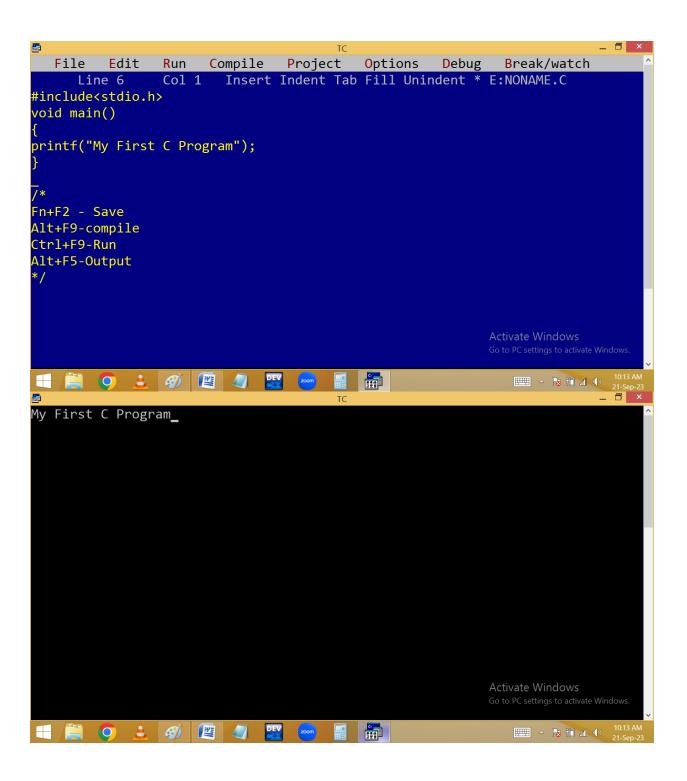
Note:

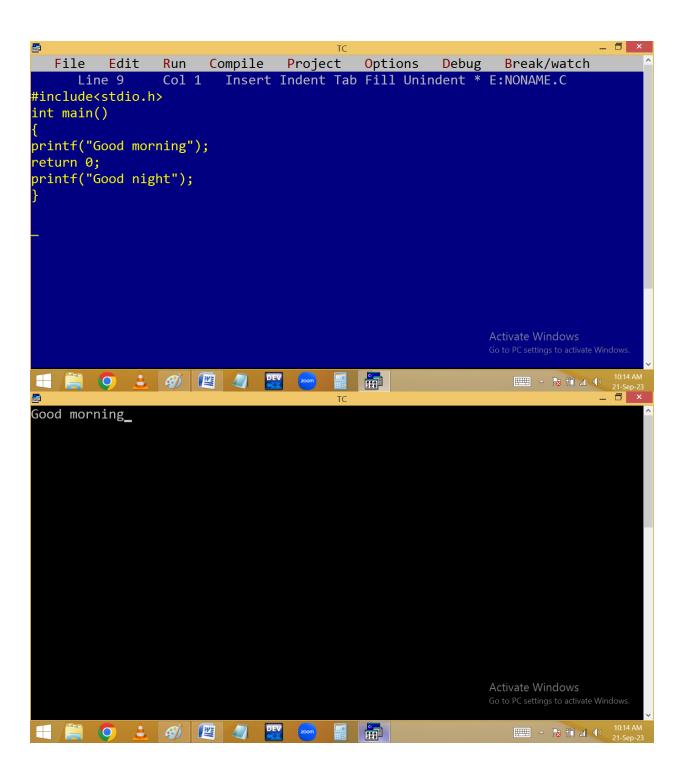
- 1. Printf always return int that indicates the no of visible characters in " ".
- 2. In printf the first arguments should be within " "
- 3. In printf everything printed as it is except conversion characters and back slash characters.
- 4. Printf can perform both formatted and unformatted outputs.
- 5. In printf execution order is right to left and printing is left to right.

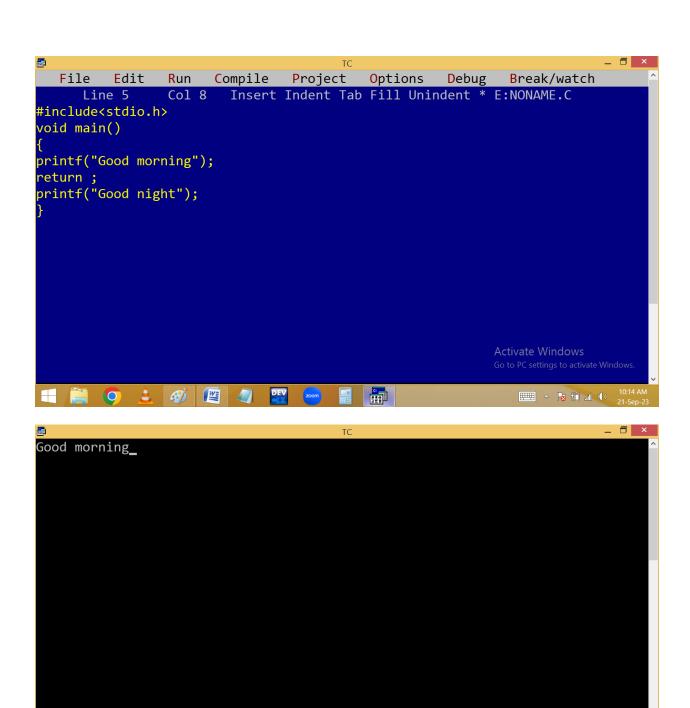
```
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      Line 16
                 Col 16 Insert Indent Tab Fill Unindent * E:NONAME.C
#include<stdio.h>
#include<conio.h>
void main()
int a=10;
float b=1.2;
clrscr();
printf("Hi\n"); /* unformatted */
printf("a=%d\n",a); /* formatted */
printf("b=%f\n",b);
printf("a=%d, b=%f\n",a,b);
printf("a=%d, b=%f, sum=%f\n",a,b, a+b);
printf("%d + %f = %f\n",a,b,a+b);
printf("%d",a);
getch();
Page: 1 of 2 | Words: 131 | 🍑
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Ηi
a=10
b=1.200000
a=10, b=1.200000
a=10, b=1.200000, sum=11.200000
10 + 1.200000 = 11.200000
10
                                                          Activate Windows
10:12
```

write a program to find a string length without using strlen() / loop.



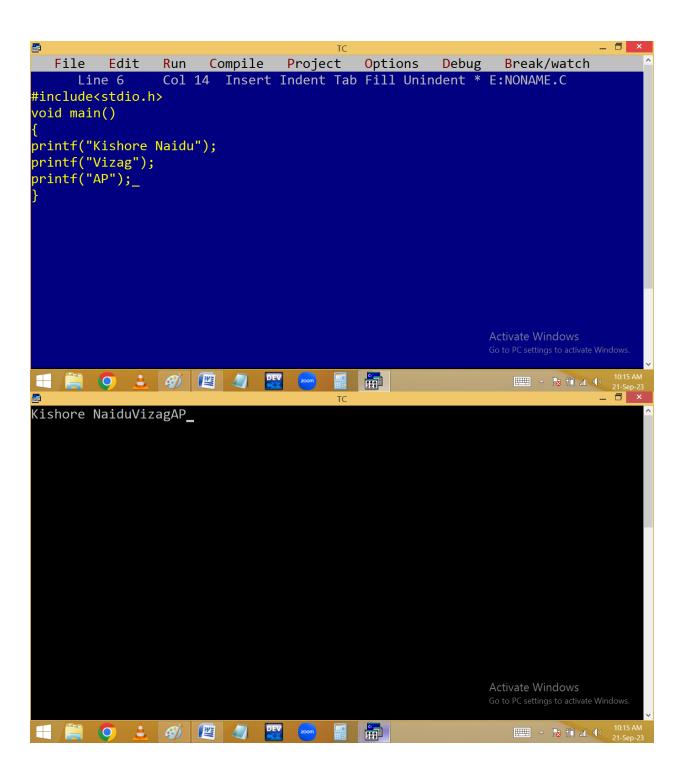


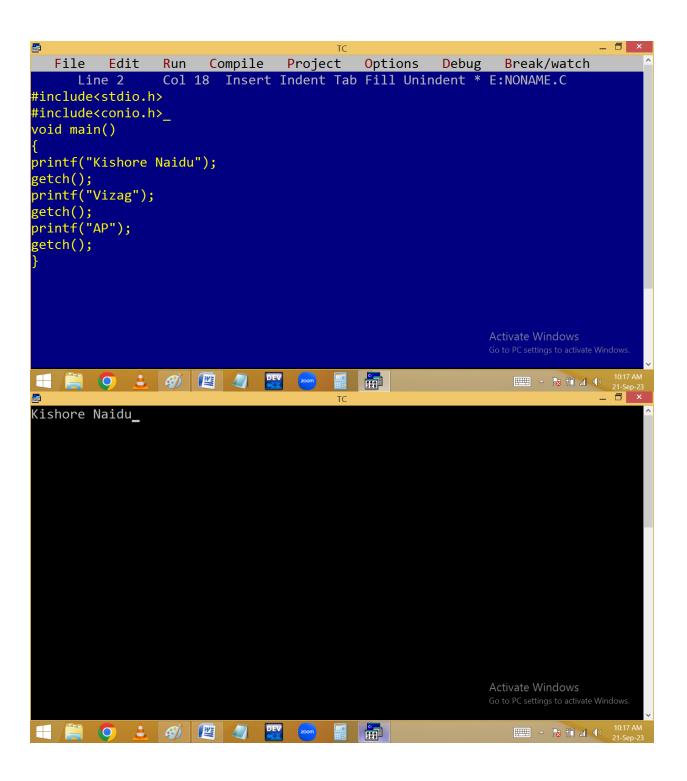


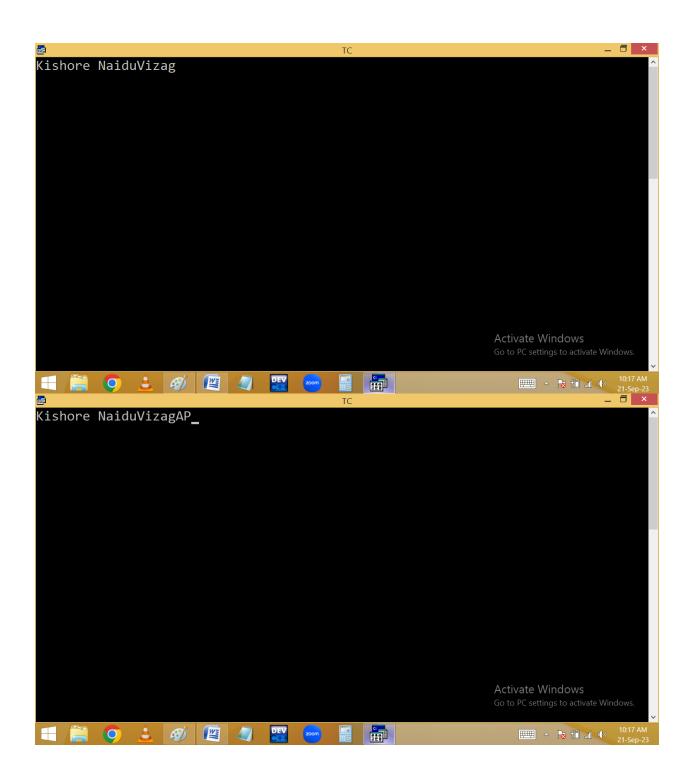


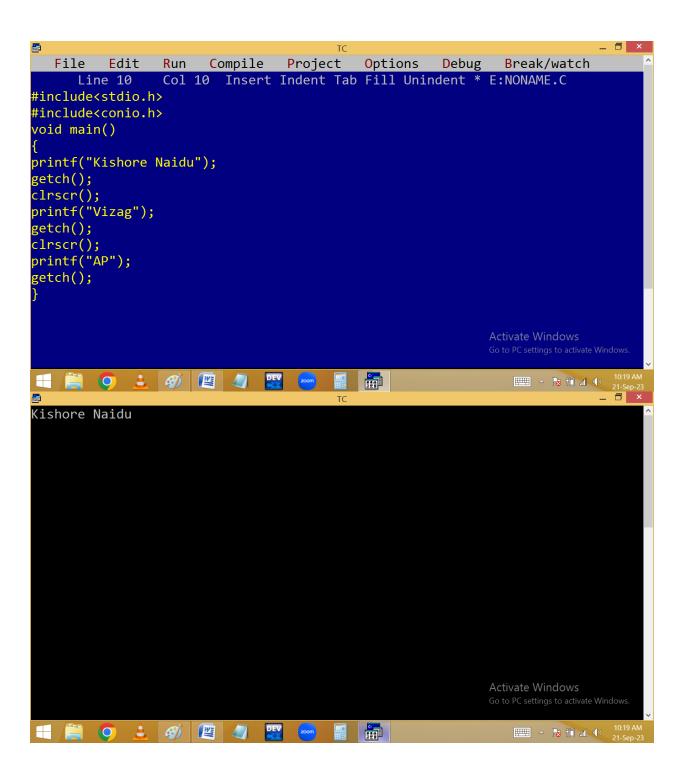
Activate Windows

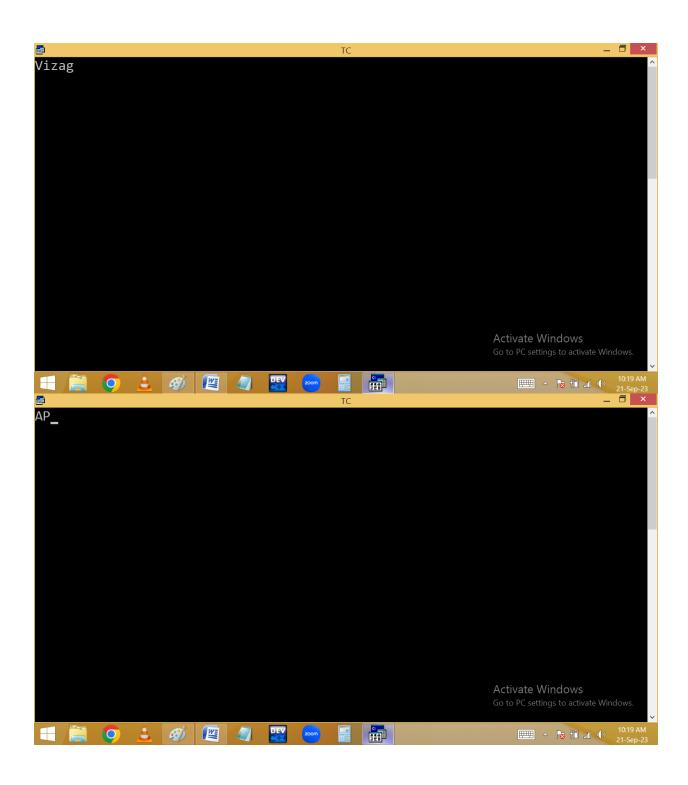
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In Dev C++

#include<stdio.h>

```
#include<conio.h>
#include<stdlib.h>
main()
{
printf("Kishore Naidu");
getch();
system("cls");
printf("Vizag");
getch();
system("cls");
printf("AP");
getch();
}
```

```
Edit
               Run
                     Compile
                               Project
                                        Options
                                                         Break/watch
                                                  Debug
                Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 3
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
printf("Kishore Naidu");
getch();
system("cls");
printf("Vizag");
getch();
clrscr();
printf("AP");
getch();
                                                        Activate Windows
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```

BACK SLASH / ESCAPE SEQUENCE CHARACTERS

They started with back slash $[\]$.

They used to format the outputs.

They participated in program execution but not displayed in output. Hence they are also called **escape sequence characters**.

Each back slash character=1 byte i.e. one character.

BACK SLASH CHARACTER	DESCRIPTION
\a	Alert [beep sound]
\b	Back space
\n	New line character

\t	Tab space
\r	Carriage return[beginning of
	line]
∖f	Form feed +
\v	Vertical tab 💍
\0	Null char
\\	\ [invalid]
\k	k [invalid]

