≡ File Edit Search Run Compile Debug Project Options Window H

9AM.CPP ━━━━━━━━━━━━━━━━━━━━━━━━━1

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Hi\n");
printf("Bye");
getch();
}
```

8:9

F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Me
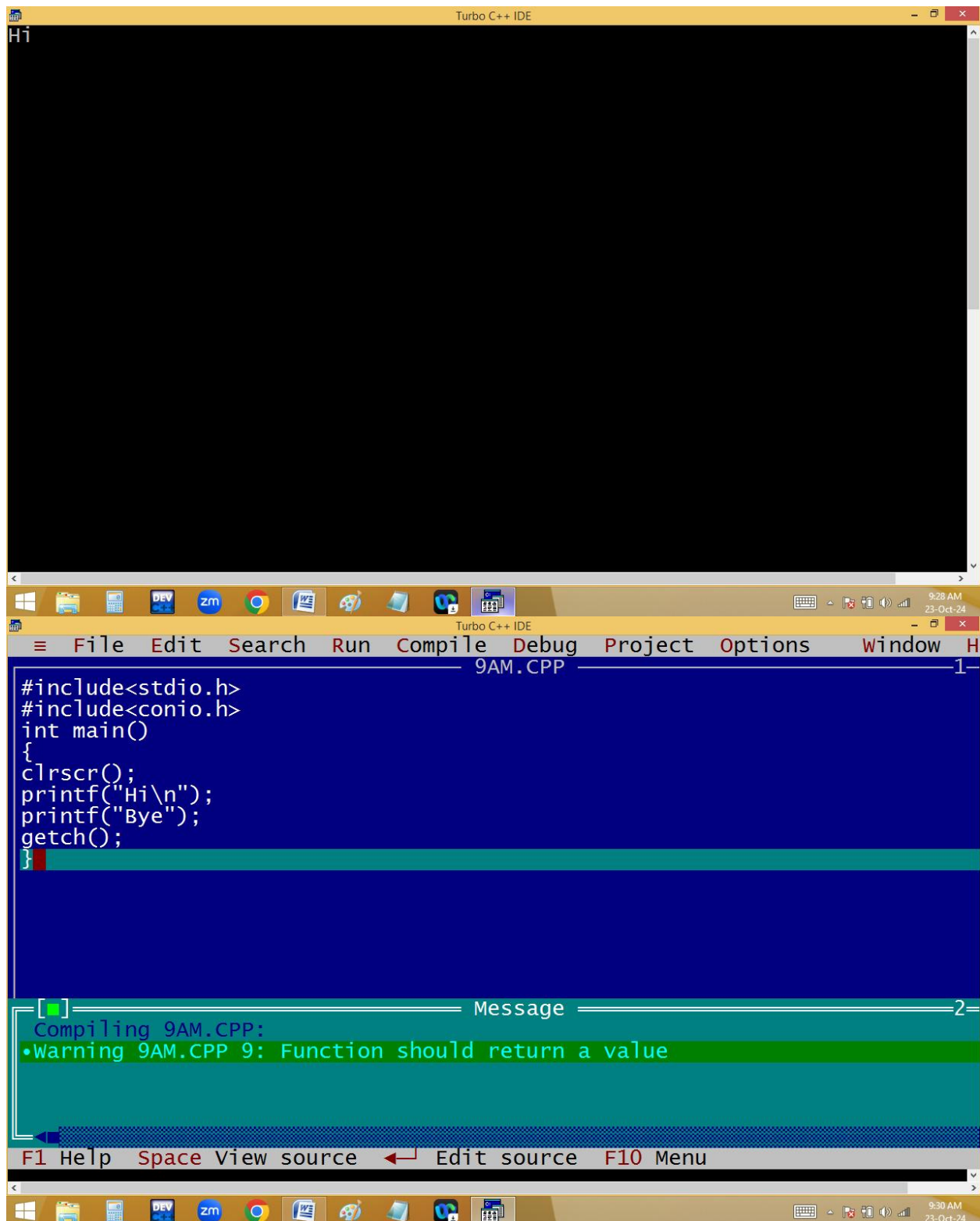
Hi
Bye

≡ File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H
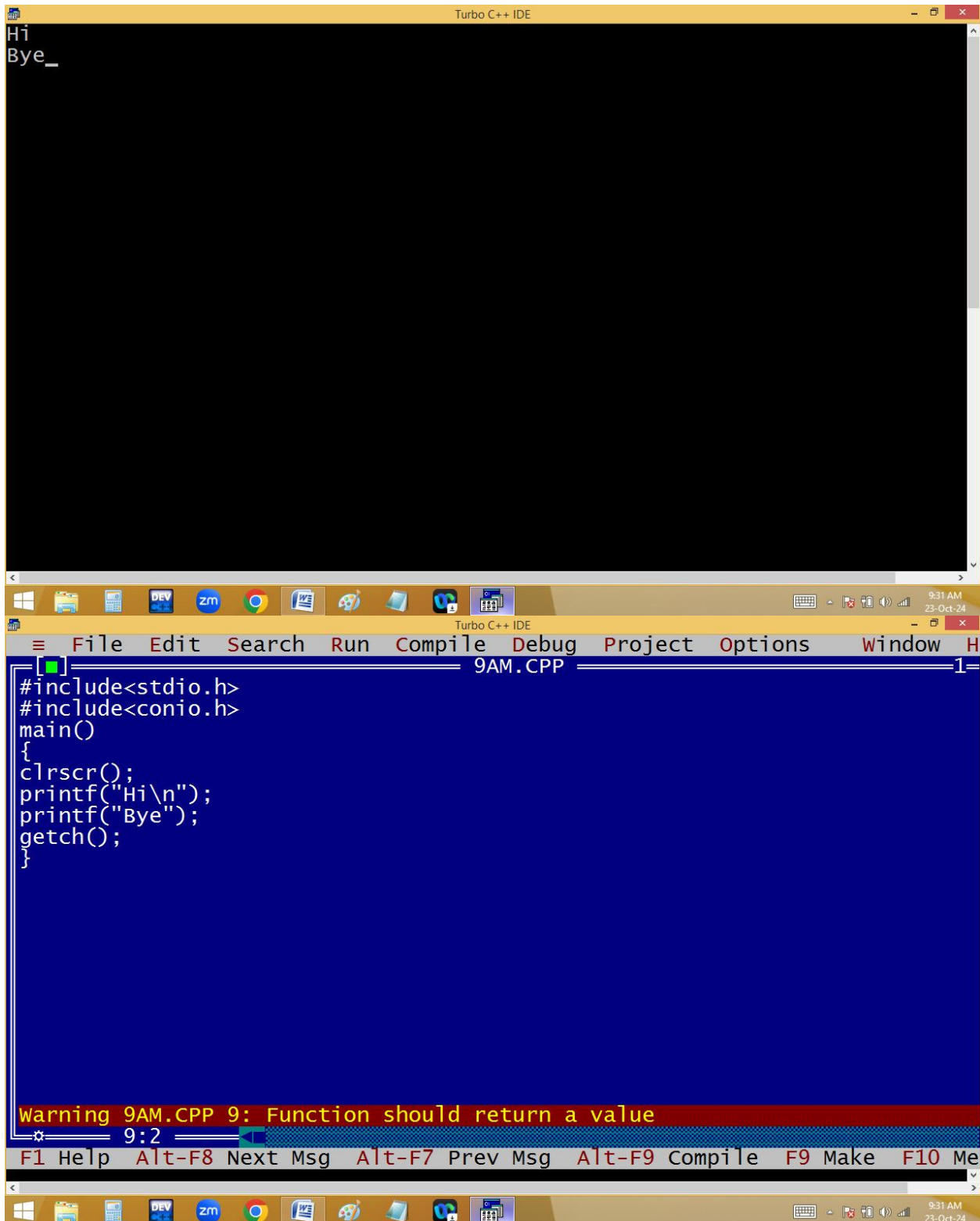
```
#include<stdio.h>
#include<conio.h>
int main()
{
clrscr();
printf("Hi\n");
return 1;
printf("Bye");
getch();
}
```

8:15

F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Me

Hi

9AM.CPP ═══════════════════════════════════════1═

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Hi\n");
return 'x';
printf("Bye");
getch();
}
```

Error 9AM.CPP 7: 'main()' cannot return a value

═══ 7:12 ═══

F1 Help   Alt-F8 Next Msg   Alt-F7 Prev Msg   Alt-F9 Compile   F9 Make   F10 Me

---

Turbo C++ IDE

≡   File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H
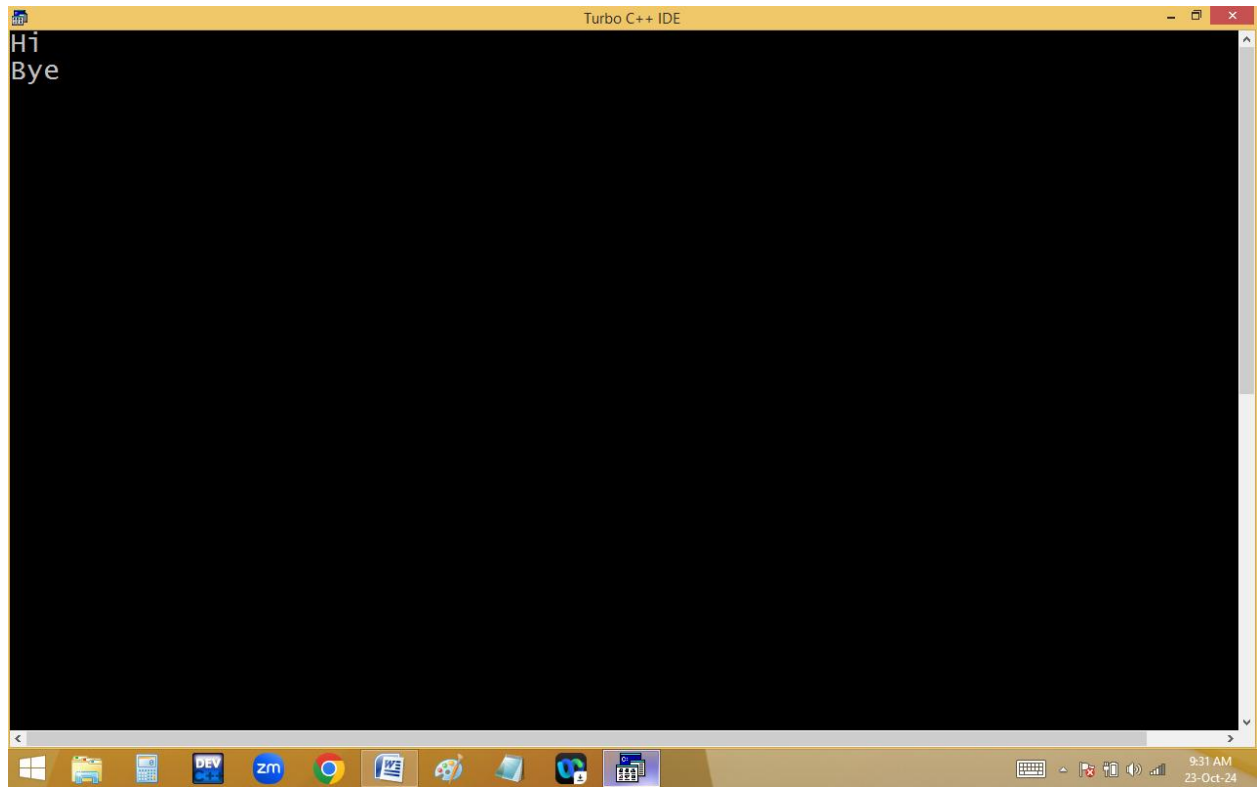
9AM.CPP ═══════════════════════════════════════1═

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Hi\n");
return;
printf("Bye");
getch();
}
```

═══ 7:7 ═══

F1 Help   Alt-F8 Next Msg   Alt-F7 Prev Msg   Alt-F9 Compile   F9 Make   F10 Me

Hi

Turbo C++ IDE

≡   File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H
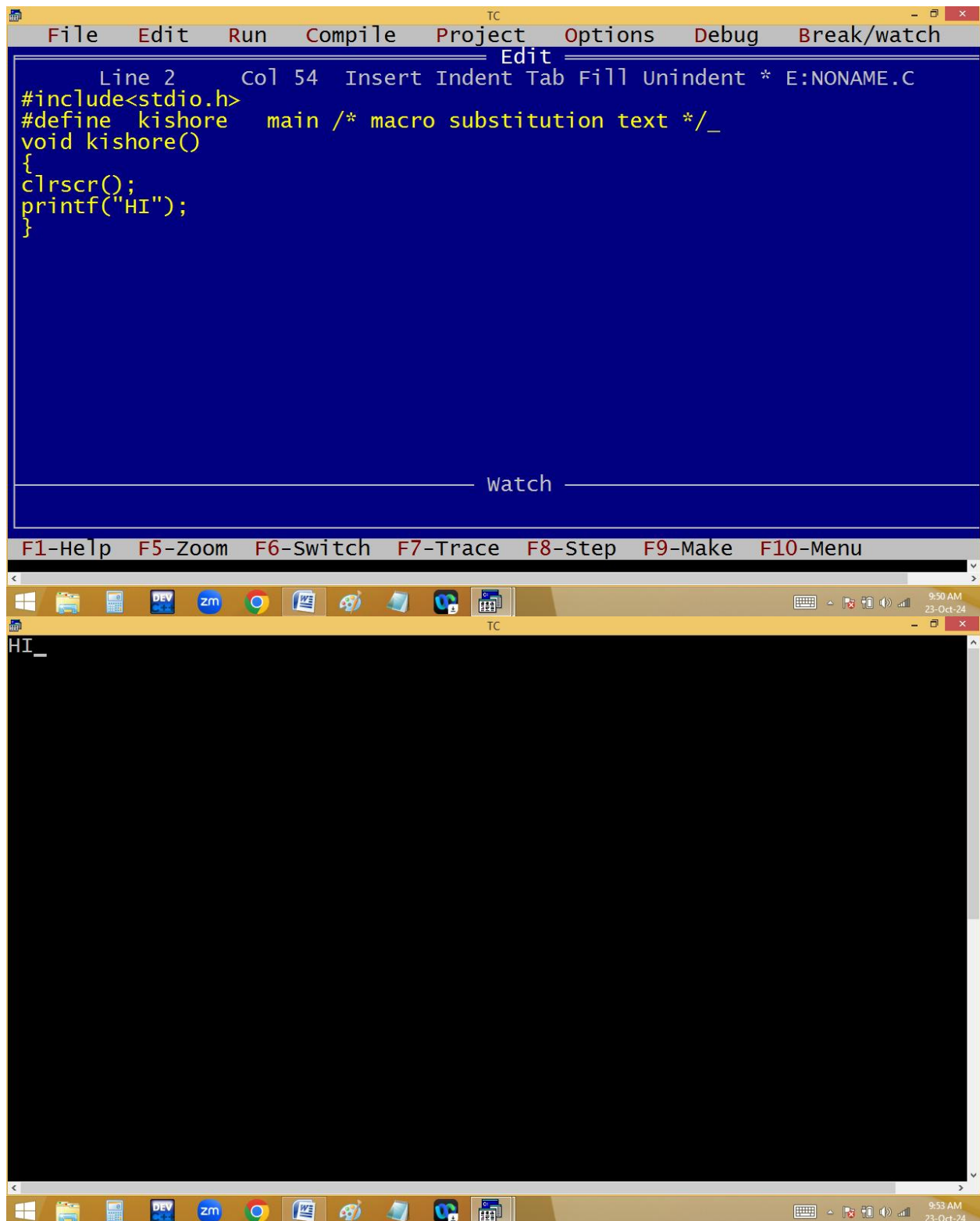
─────────────────────────────────── 9AM.CPP ───────────────────────────────────1─

```
#include<stdio.h>
#include<conio.h>
int main()
{
clrscr();
printf("Hi\n");
printf("Bye");
getch();
}
```

─[■]──────────────────────────────── Message ───────────────────────────────────2─
 Compiling 9AM.CPP:
 •Warning 9AM.CPP 9: Function should return a value

F1 Help   Space View source   ↵ Edit source   F10 Menu

Turbo C++ IDE

Hi
Bye_

Turbo C++ IDE

≡   File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H

╔══════════════════════ 9AM.CPP ══════════════════════1═
```
#include<stdio.h>
#include<conio.h>
main()
{
clrscr();
printf("Hi\n");
printf("Bye");
getch();
}
```

Warning 9AM.CPP 9: Function should return a value

9:2

F1 Help   Alt-F8 Next Msg   Alt-F7 Prev Msg   Alt-F9 Compile   F9 Make   F10 Me

Turbo C++ IDE

Hi
Bye

≡   File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H
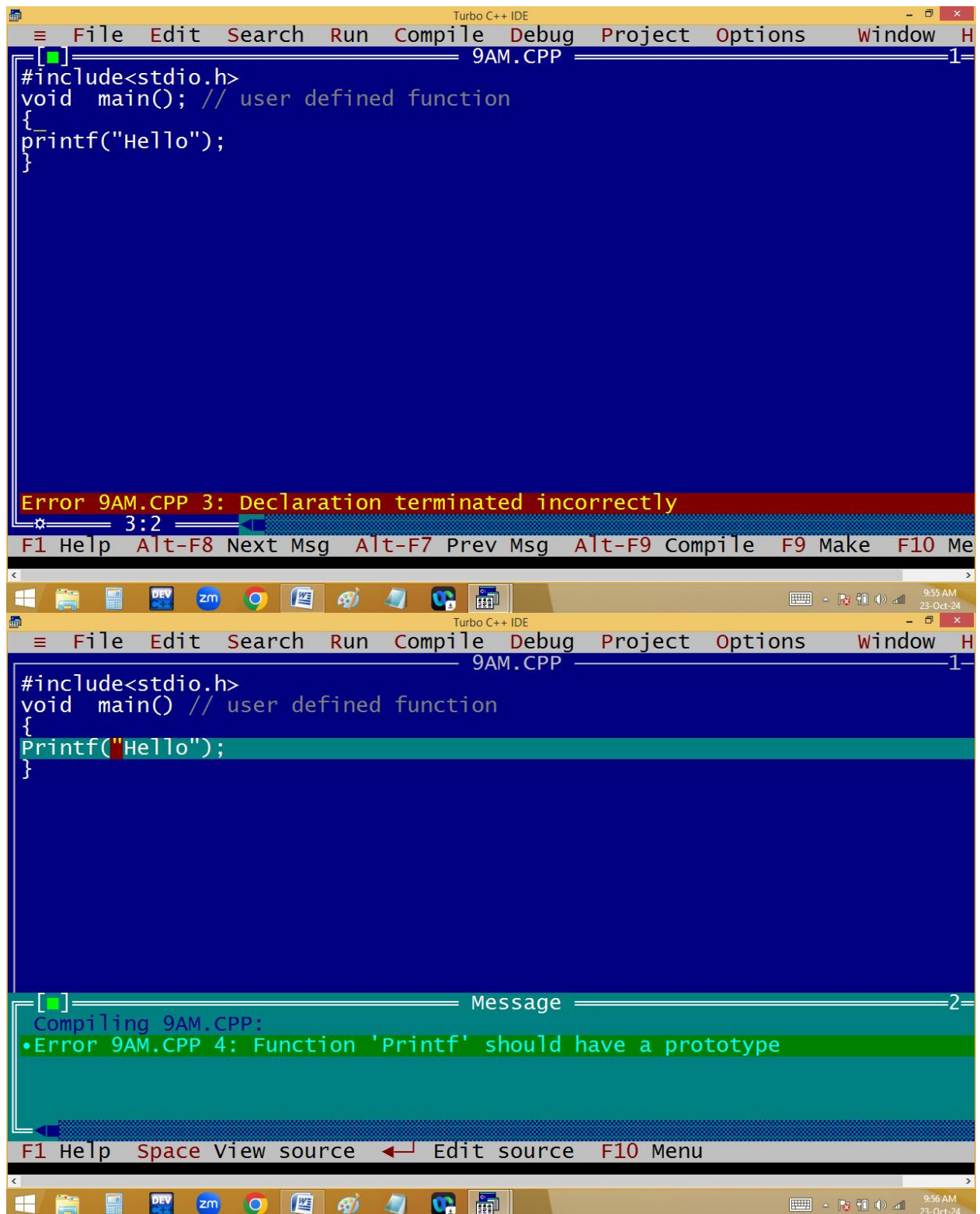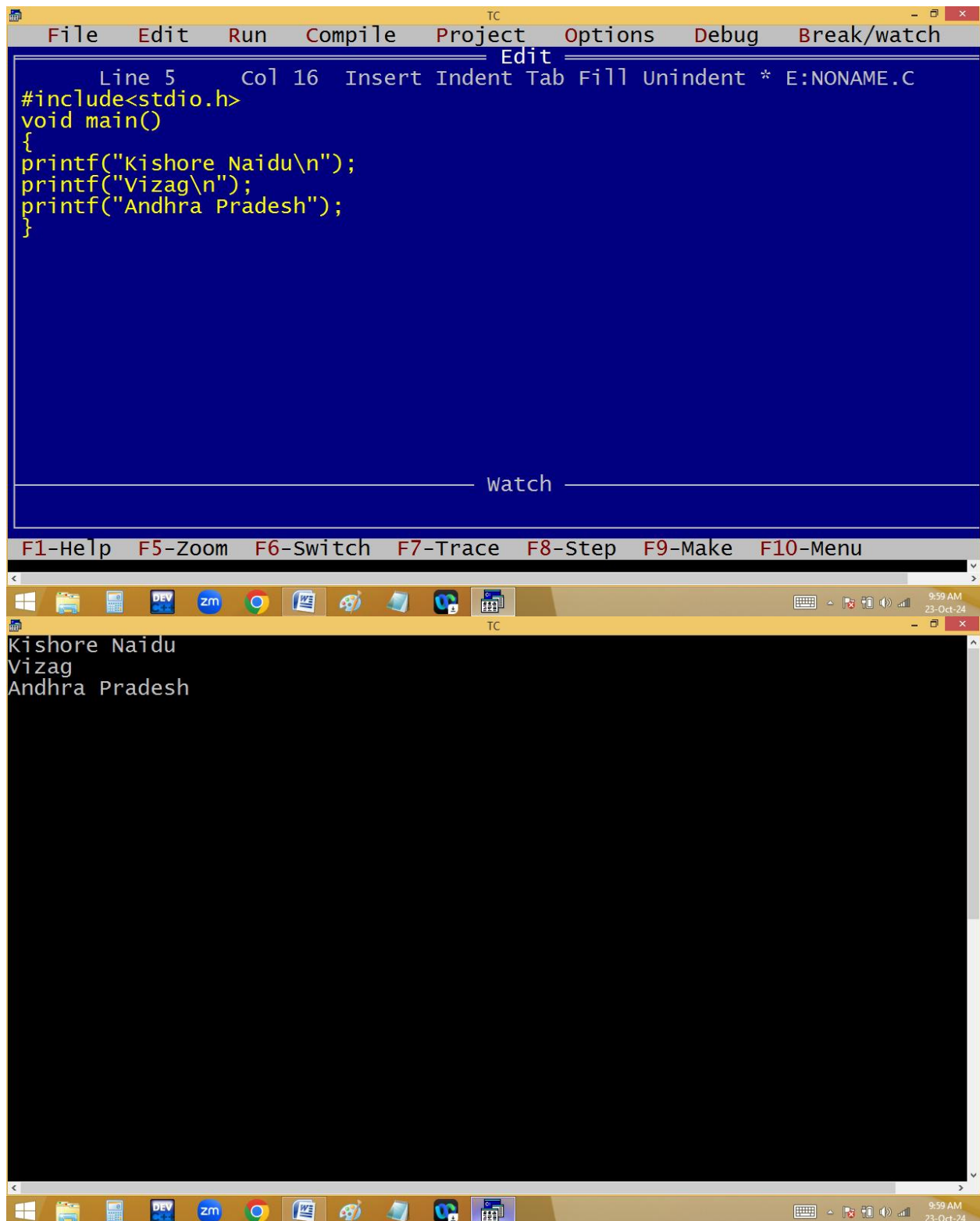
```
                                    9AM.CPP                                     1
#include<stdio.h>
#include<conio.h>
void   show() // user defined function
{
printf("Hello");
}
```

```
┌─────────────────────── Compiling ───────────────────────┐
│                                                          │
│   Main file: 9AM.CPP                                     │
│   Compiling: EDITOR → 9AM.CPP                            │
│                                                          │
│                        Total      File                   │
│   Lines compiled:  467        467                        │
│          Warnings:  0          0                         │
│            Errors:  0          0                         │
│                                                          │
│   Available memory: 1978K                                │
│   Success          :       Press any key                 │
└──────────────────────────────────────────────────────────┘
```

```
       7:1
```

F1 Help   Alt-F8 Next Msg   Alt-F7 Prev Msg   Alt-F9 Compile   F9 Make   F10 Me

9:37 AM
23-Oct-24

```
                                    9AM.CPP                                     1
#include<stdio.h>
#include<conio.h>
void   show() // user defined function
{
printf("Hello");
}
```
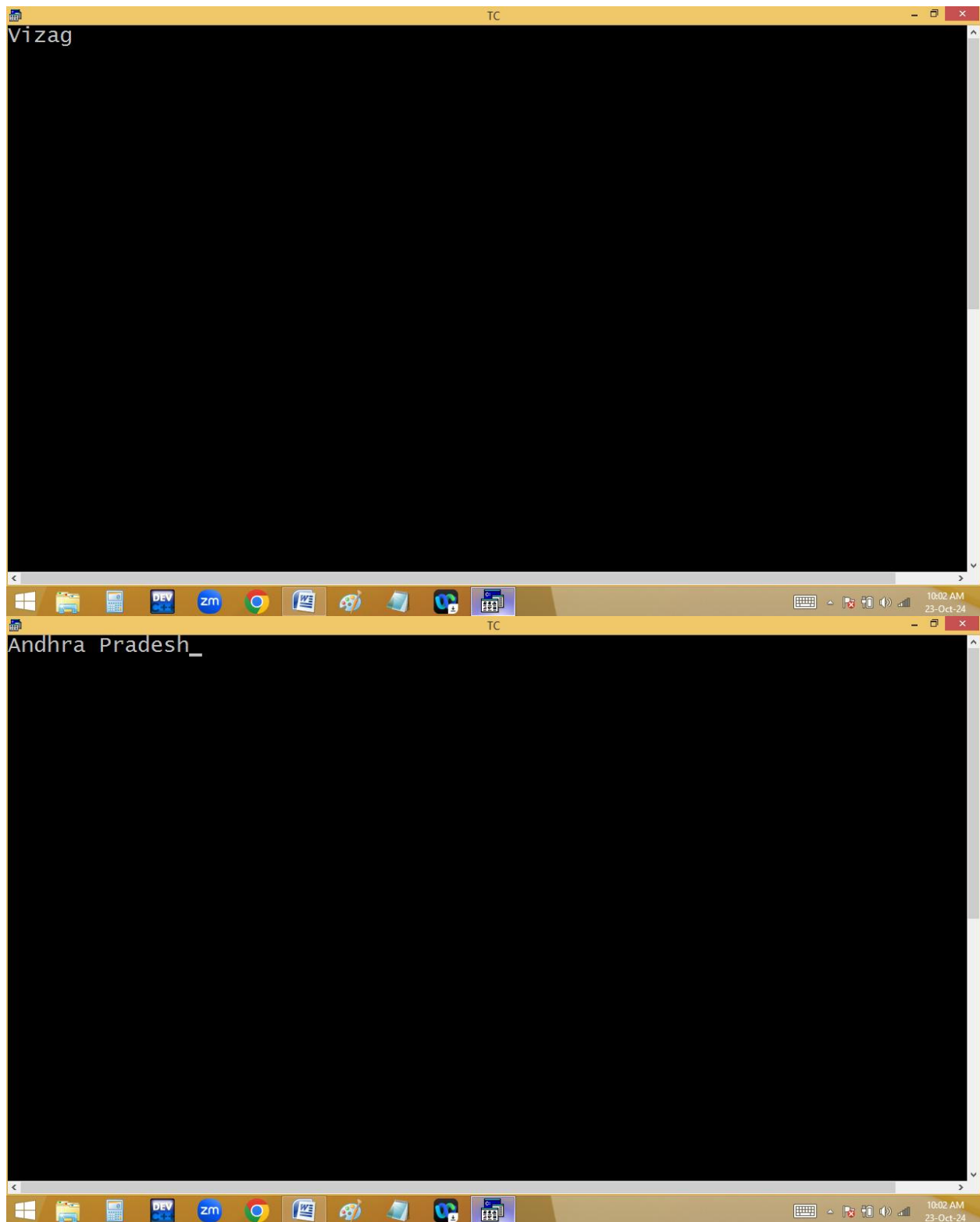
```
[■]                                  Message                                    2
 Linking 9AM.EXE:
•Linker Error: Undefined symbol _main in module c0.ASM
```

F1 Help   F10 Menu

9:38 AM
23-Oct-24

Edit
Line 2   Col 54   Insert Indent Tab Fill Unindent * E:NONAME.C

```c
#include<stdio.h>
#define   kishore    main /* macro substitution text */_
void kishore()
{
clrscr();
printf("HI");
}
```

Watch

TC

HI_

≡ File Edit Search Run Compile Debug Project Options Window H

═══════════════════════════ 9AM.CPP ══════════════════════════════1═

```
#include<stdio.h>
void  main() // user defined function
{
printf("Hello");
}
void main()
{
printf("Bye");
}
```

Error 9AM.CPP 7: Body has already been defined for function 'main()'

7:2

F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Me

9:53 AM
23-Oct-24

≡ File Edit Search Run Compile Debug Project Options Window H

═══════════════════════════ 9AM.CPP ══════════════════════════════1═

```
#include<stdio.h>
void  main() // user defined function
{
printf("Hello")
}
```

Error 9AM.CPP 5: Statement missing ;

5:2

F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Me

9:54 AM
23-Oct-24

≡ File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H

═══════════════════════════════ 9AM.CPP ═══════════════════════════════1═

```
#include<stdio.h>
void  main(); // user defined function
{_
printf("Hello");
}
```

Error 9AM.CPP 3: Declaration terminated incorrectly

═══ 3:2 ═══

F1 Help   Alt-F8 Next Msg   Alt-F7 Prev Msg   Alt-F9 Compile   F9 Make   F10 Me

9:55 AM
23-Oct-24

≡ File   Edit   Search   Run   Compile   Debug   Project   Options   Window   H

═══════════════════════════════ 9AM.CPP ═══════════════════════════════1═

```
#include<stdio.h>
void  main() // user defined function
{
Printf("Hello");
}
```

═══════════════════════════════ Message ═══════════════════════════════2═

Compiling 9AM.CPP:
•Error 9AM.CPP 4: Function 'Printf' should have a prototype

F1 Help   Space View source   ↵ Edit source   F10 Menu

9:56 AM
23-Oct-24

```c
#include<stdio.h>
void main()
{
printf("Kishore Naidu\n");
printf("Vizag\n");
printf("Andhra Pradesh");
}
```

Watch

TC

```
Kishore Naidu
Vizag
Andhra Pradesh
```

File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Edit

Line 2   Col 18   Insert Indent Tab Fill Unindent * E:NONAME.C

```c
#include<stdio.h>
#include<conio.h>_
void main()
{
printf("Kishore Naidu\n");
getch();
printf("Vizag\n");
getch();
printf("Andhra Pradesh");
getch();
}
```

Watch

F1-Help   F5-Zoom   F6-Switch   F7-Trace   F8-Step   F9-Make   F10-Menu

Kishore Naidu

```
Kishore Naidu
Vizag
_
```

```
Kishore Naidu
Vizag
Andhra Pradesh
```

File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Edit
Line 10   Col 10   Insert Indent Tab Fill Unindent * E:NONAME.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
printf("Kishore Naidu\n");
getch();
clrscr();
printf("Vizag\n");
getch();
clrscr();_
printf("Andhra Pradesh");
getch();
}
```

Watch

F1-Help   F5-Zoom   F6-Switch   F7-Trace   F8-Step   F9-Make   F10-Menu

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23-Oct-24

Kishore Naidu

10:02 AM
23-Oct-24

Vizag

Andhra Pradesh_
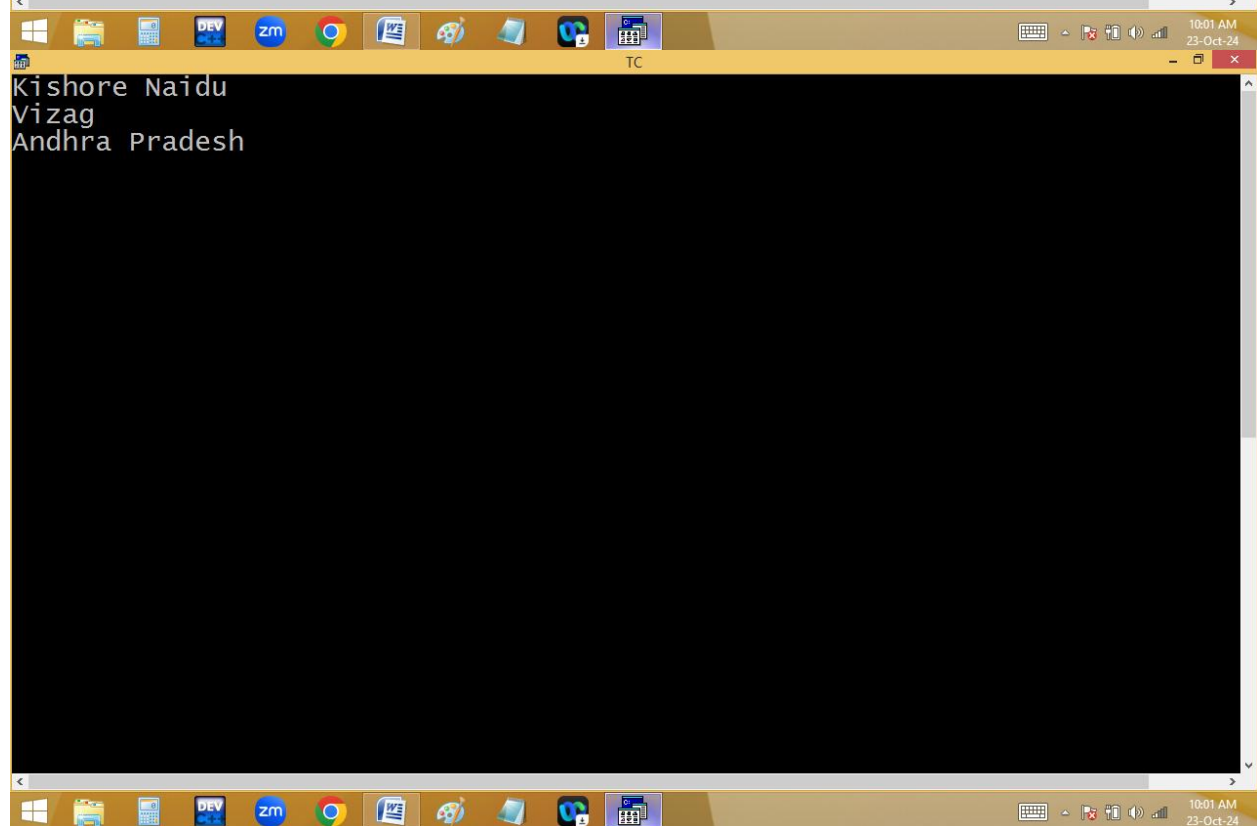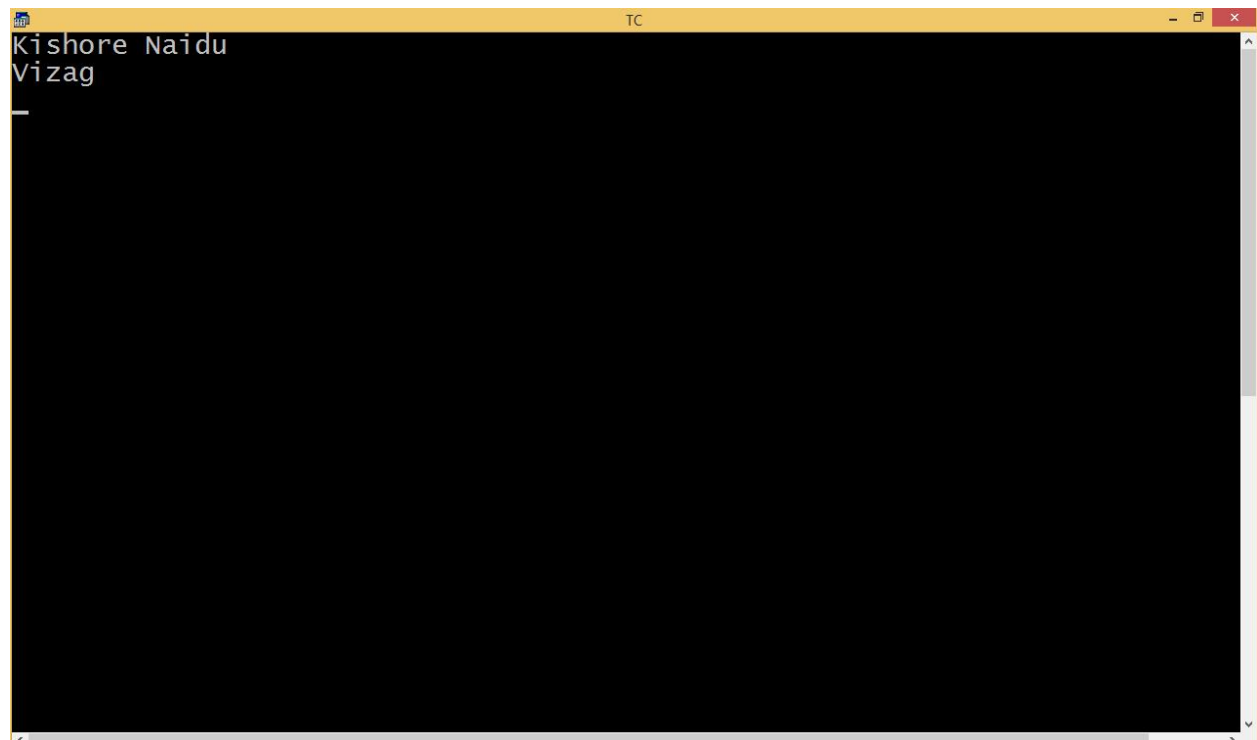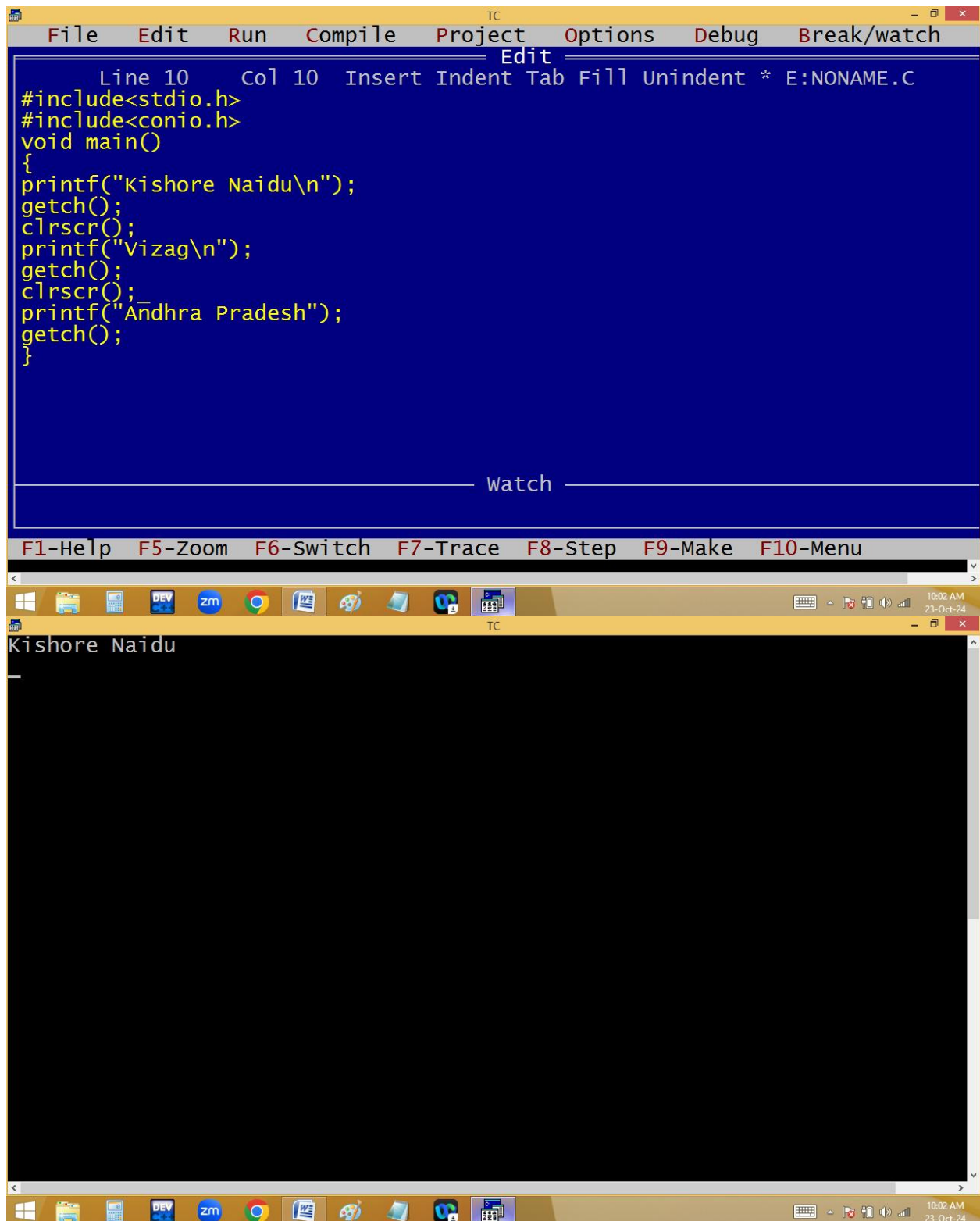
#include<stdio.h>

#include<conio.h>

```
#include<stdlib.h>

main()

{

        printf("Hi");

        getch();

        system("cls");

        printf("Hello");

        getch();

}
```

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]

```
File    Edit    Run    Compile    Project    Options    Debug
============================== Edit ==============================
     Line 9      Col 24   Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("\aKishore\n");
printf("C/O Naresh\tIT\n");
printf("S\b\vAmeerpet\f\n");
printf("Sec-500016\rHyd");
getch();
printf("\a");
}
```

```
Kishore
C/O Naresh          IT
♂Ameerpet♀
Hyd_500016
```
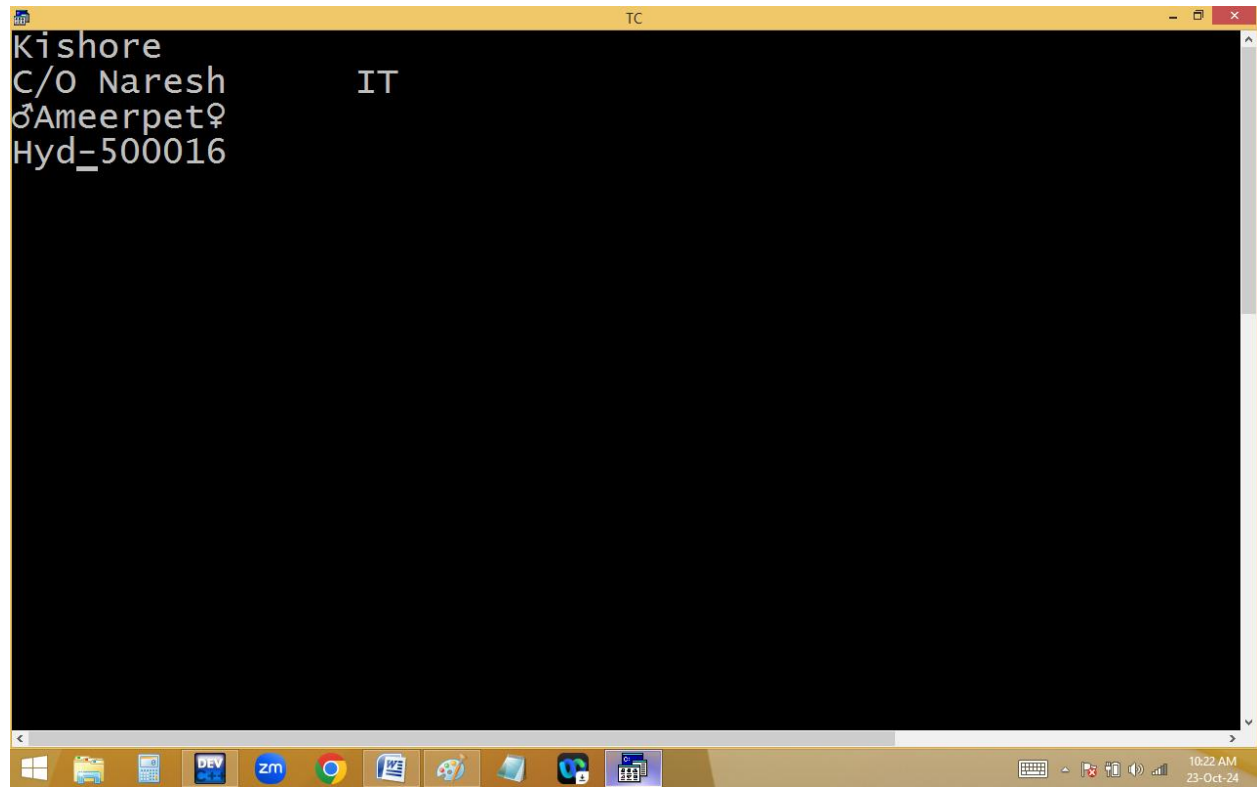
```
===================================== Edit =====================================
        Line 8        Col 1    Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Naresh\\tIT\\nHyd");
getch();
}
```

p("Naresh\\tIT\\nHyd");
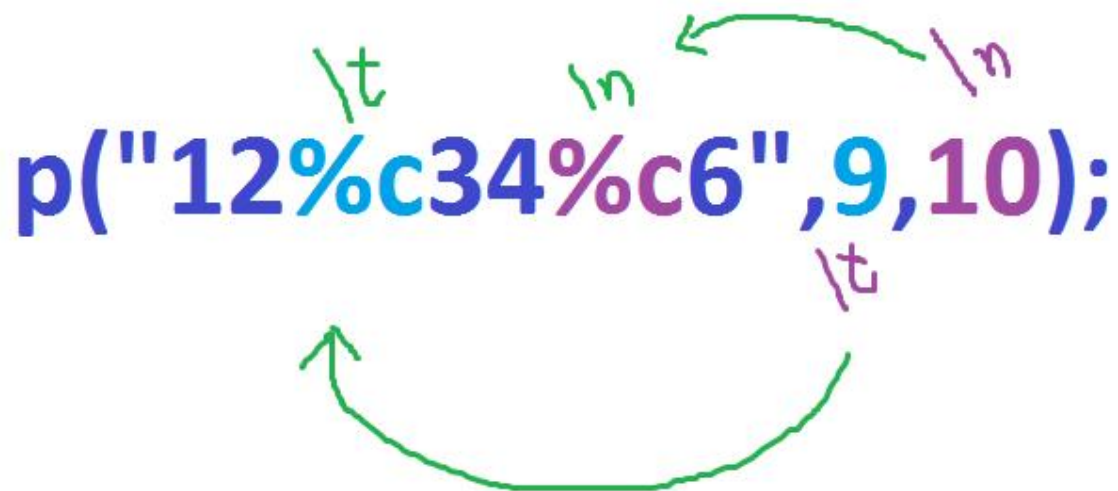
Naresh\tIT\nHyd
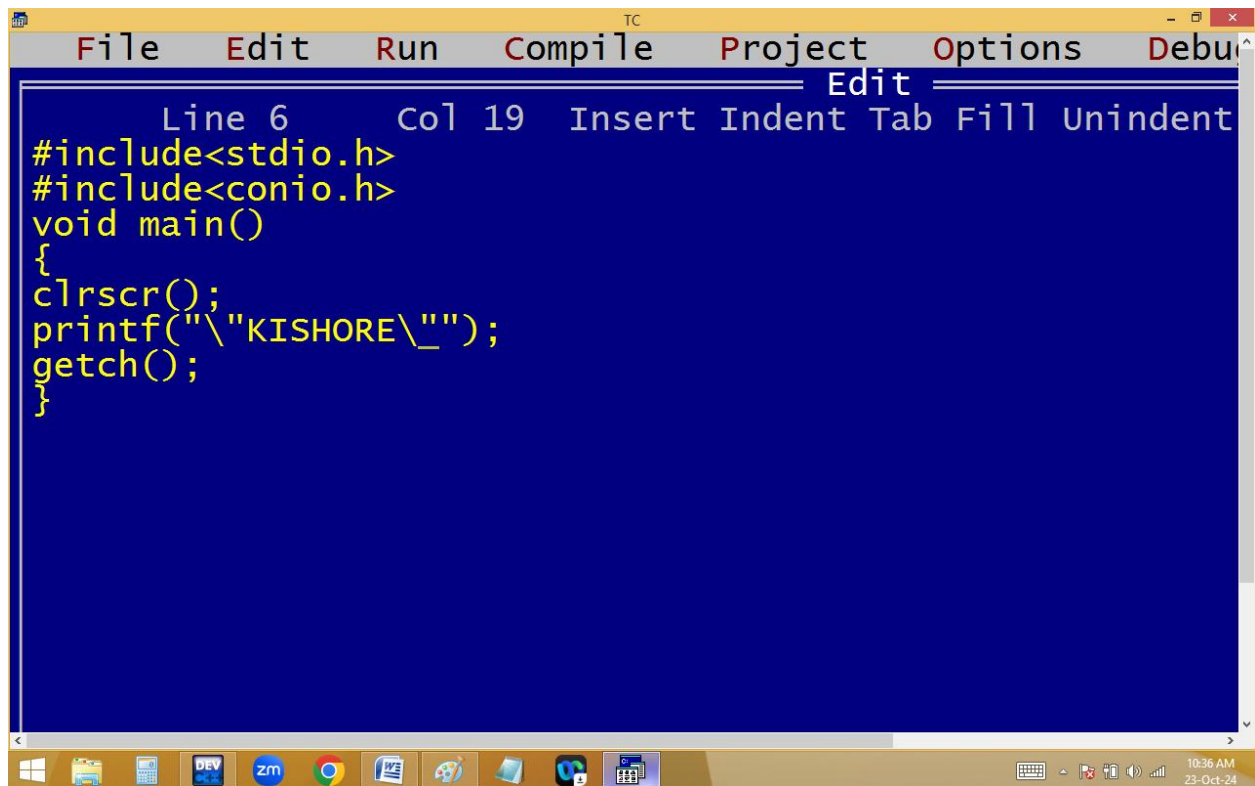
File   Edit   Run   Compile   Project   Options   Debug

Edit

Line 11   Col 1   Insert Indent Tab Fill Unindent

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Naresh\\\tIT\\\nHyd");
getch();
}
/* Naresh\        IT\
    Hyd
*/
```

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p("Naresh\\\tIT\\\nHyd");

Naresh\   IT\
Hyd
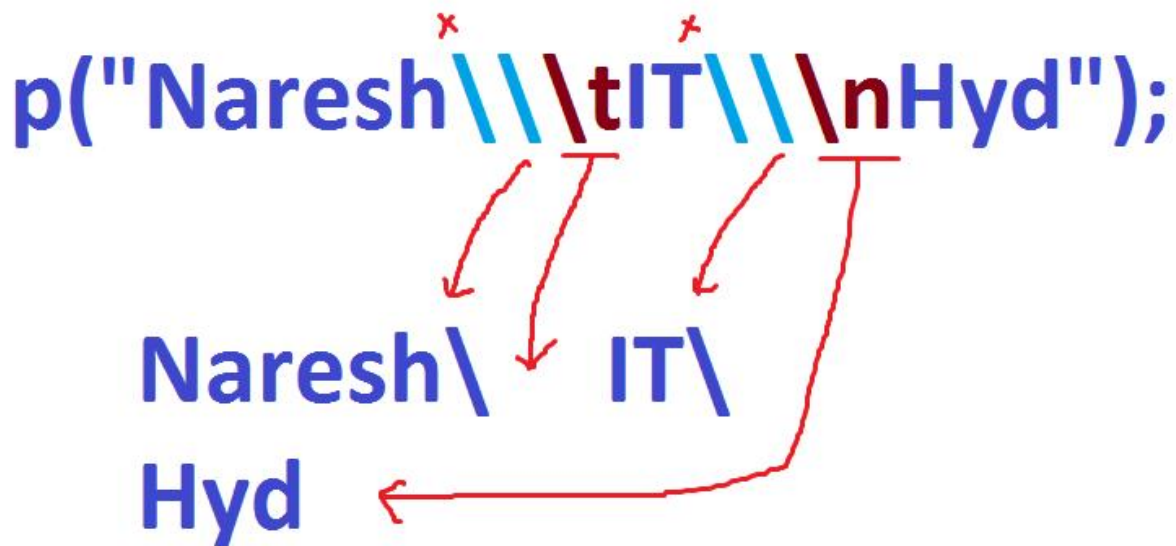
```
                                                  Edit
        Line 13      Col 23   Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("12%c34%c56",9,10);
getch();
}
/* 12     34
    56

    9 - \t ascii value
    10 - \n ascii value_
*/
```
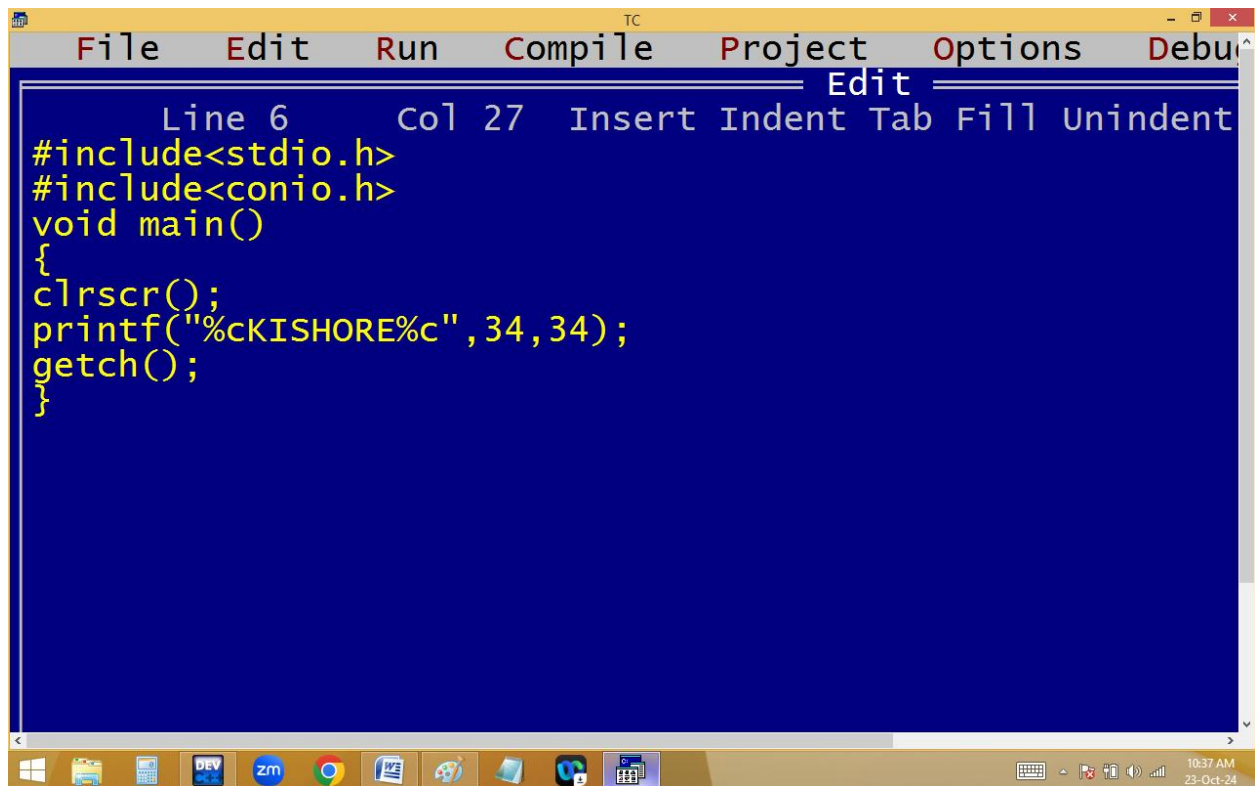
File   Edit   Run   Compile   Project   Options   Debug

Edit

Line 6   Col 19   Insert Indent Tab Fill Unindent

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("\"KISHORE\"");
getch();
}
```
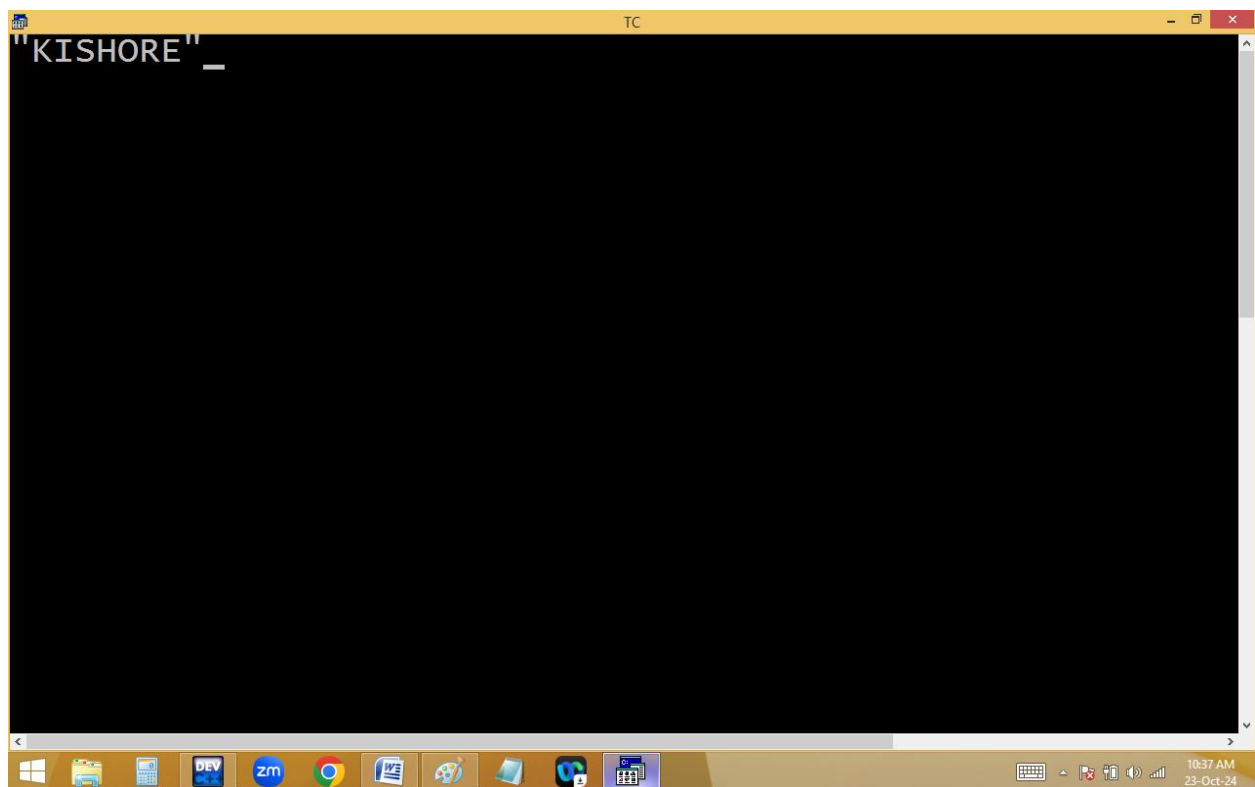
p("\"Kishore\"");

```
                                        Edit
        Line 6      Col 27   Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%cKISHORE%c",34,34);
getch();
}
```
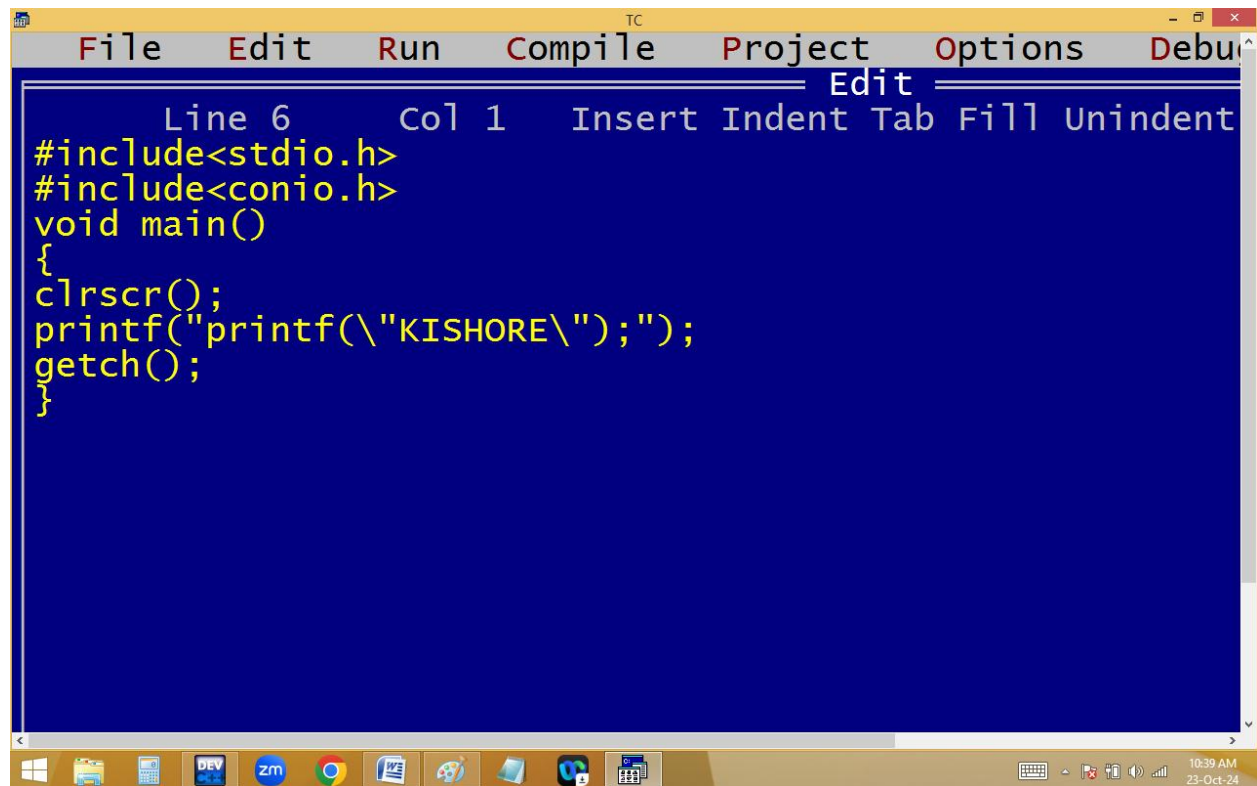
```
"KISHORE"_
```
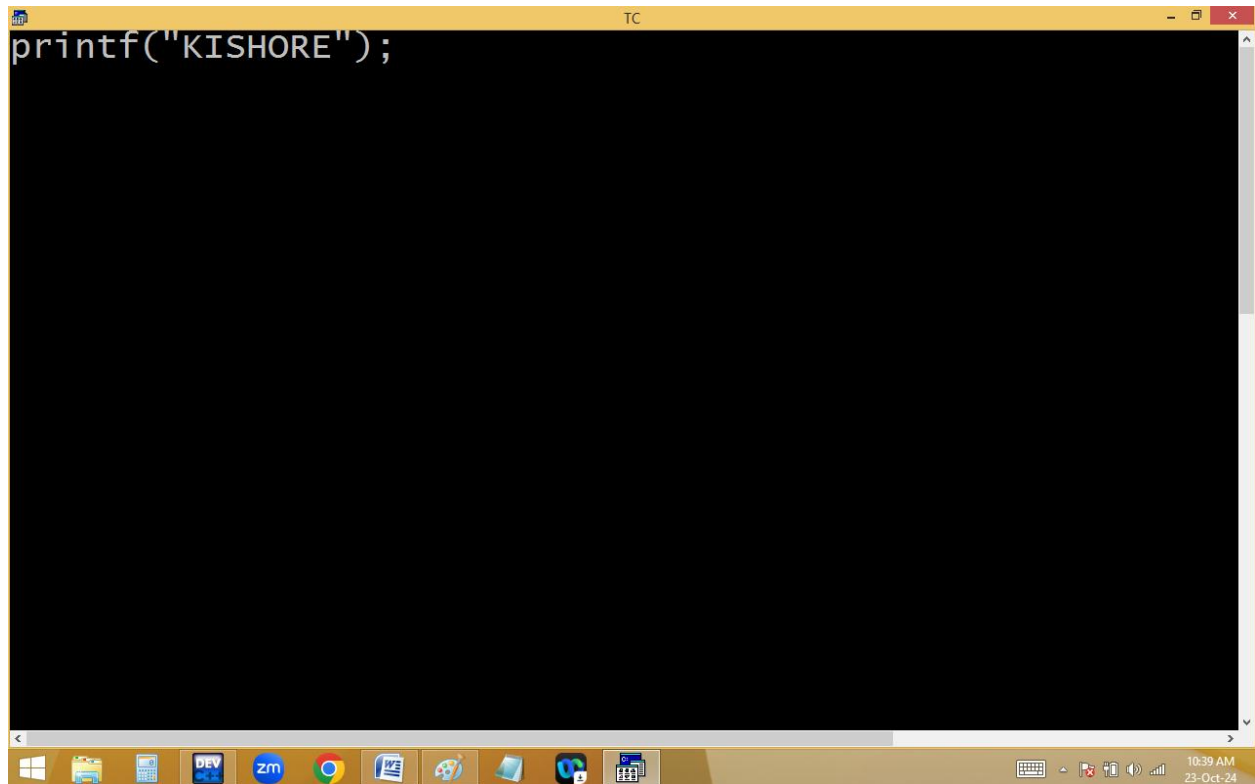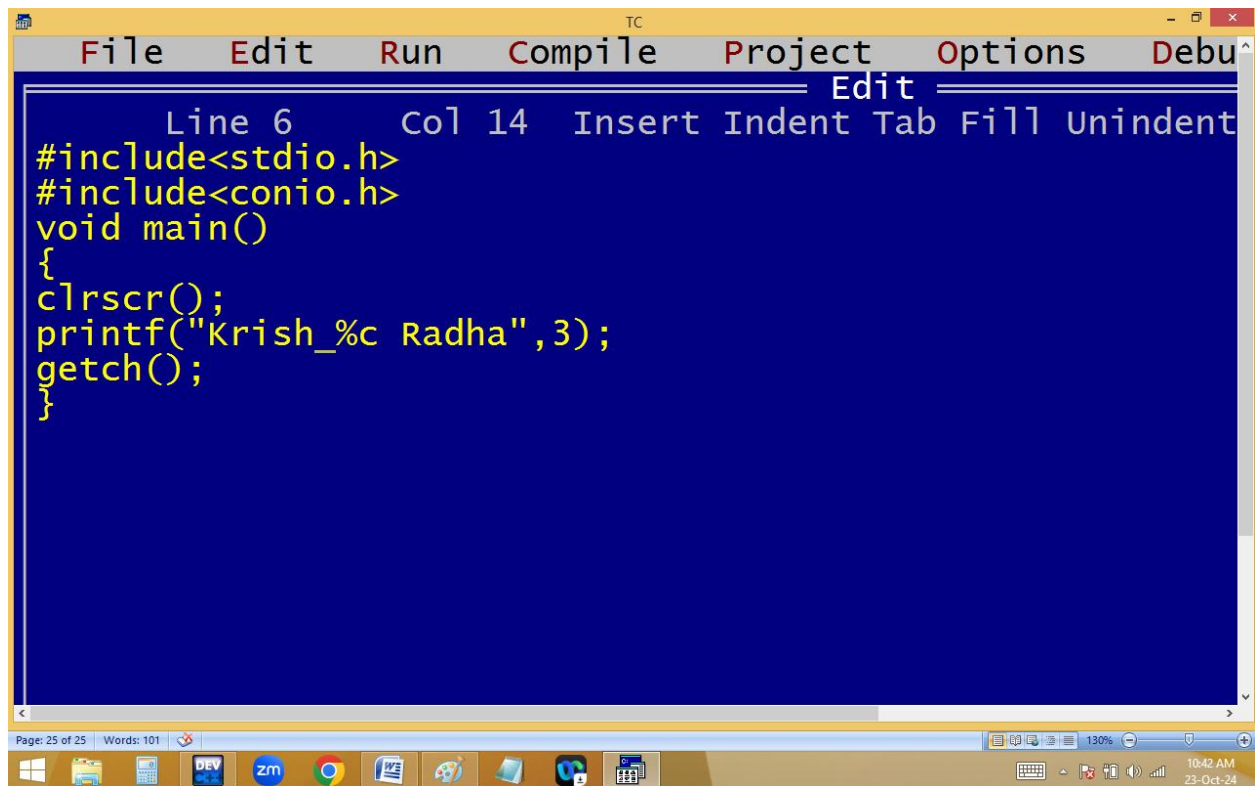
```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("printf(\"KISHORE\");");
getch();
}
```

```
printf("KISHORE");
```

p("printf(\"Kishore\");");

```
Edit
      Line 6      Col 14   Insert Indent Tab Fill Unindent
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Krish_%c Radha",3);
getch();
}
```
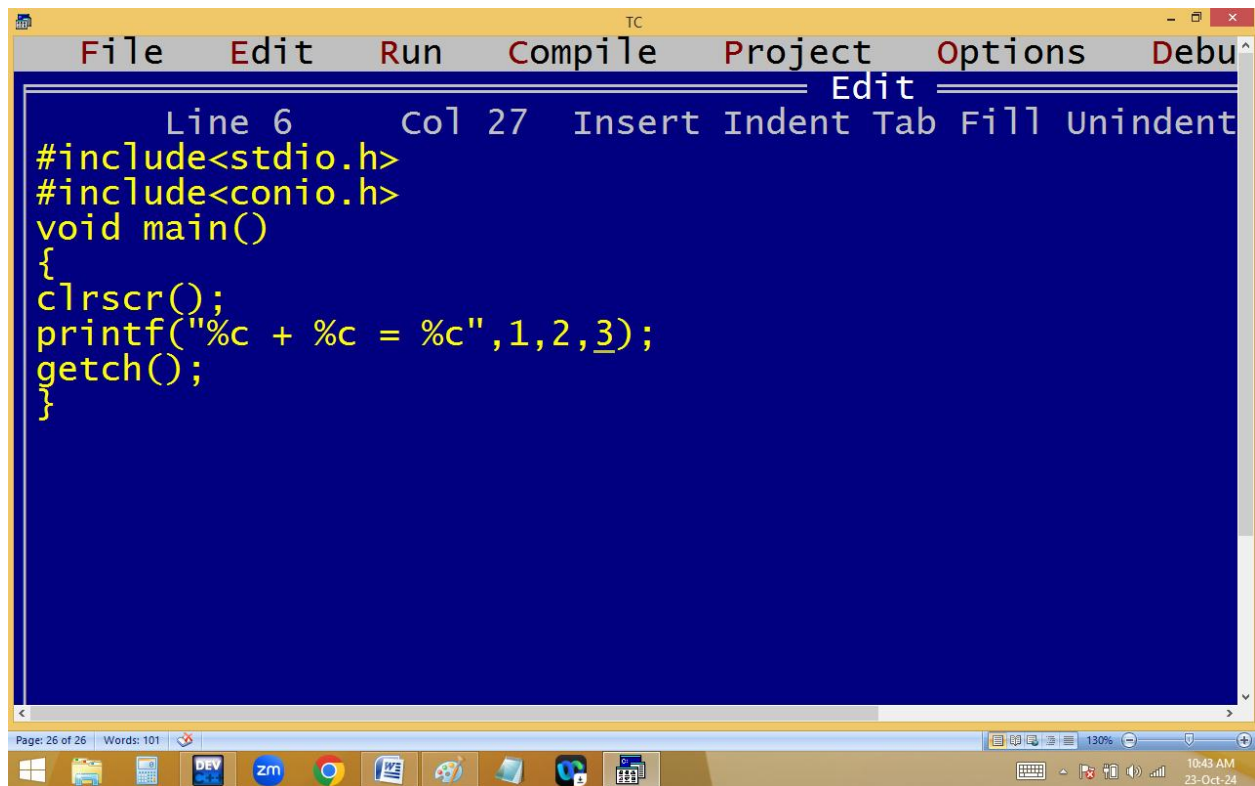
```
Krish ♥ Radha
```

File   Edit   Run   Compile   Project   Options   Debu

================================ Edit ================================

Line 6   Col 27   Insert Indent Tab Fill Unindent

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%c + %c = %c",1,2,3);
getch();
}
```

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TC

☺ + ☻ = ♥

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In c:
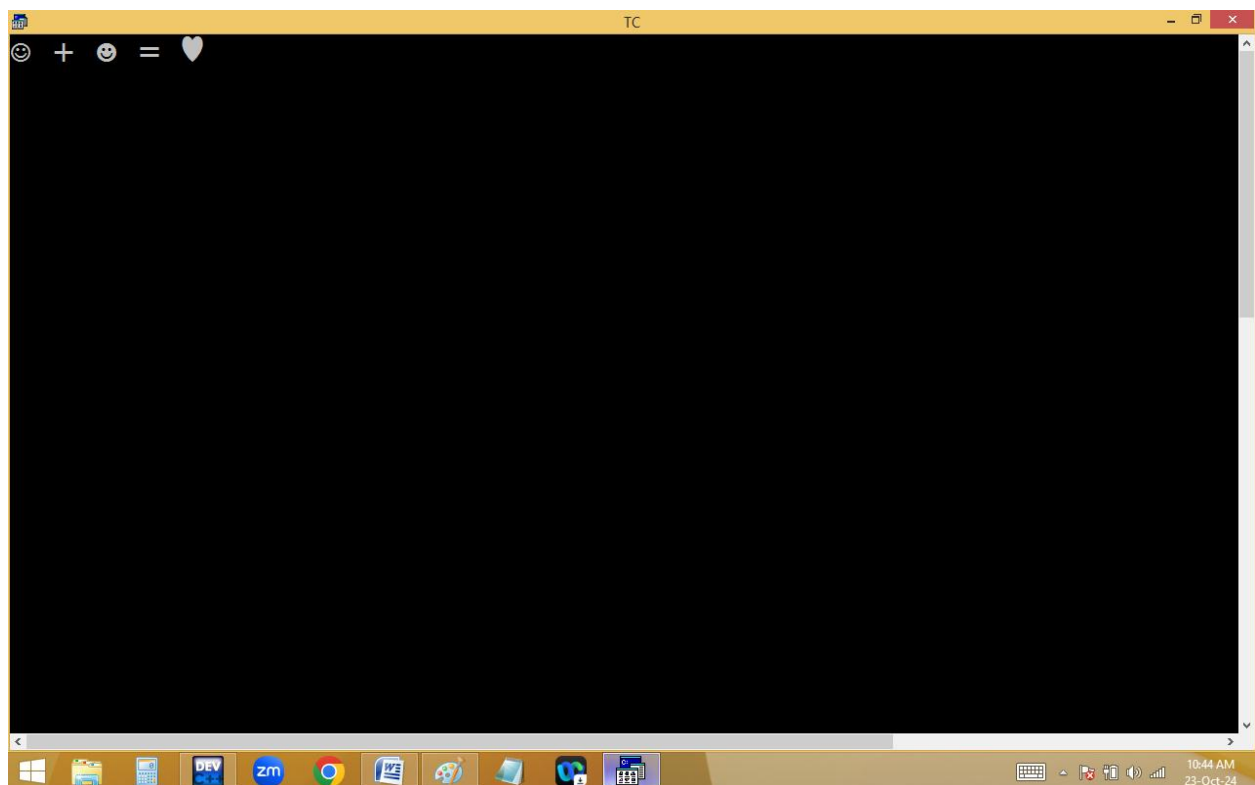
```c
#include<stdio.h>
#include<conio.h>
void main()
{
int c=3,d=4;
clrscr();
printf("%c + %c = %c\n",'1','2','3');
printf("%d + %d = %d\n",'1','2','3');
printf("%d + %d = %d\n",'a','b','C');
printf("%c + %c = %c\n", 100, 122,102);
printf("%d + %d = %d\n", 1,2);
getch();
}
```
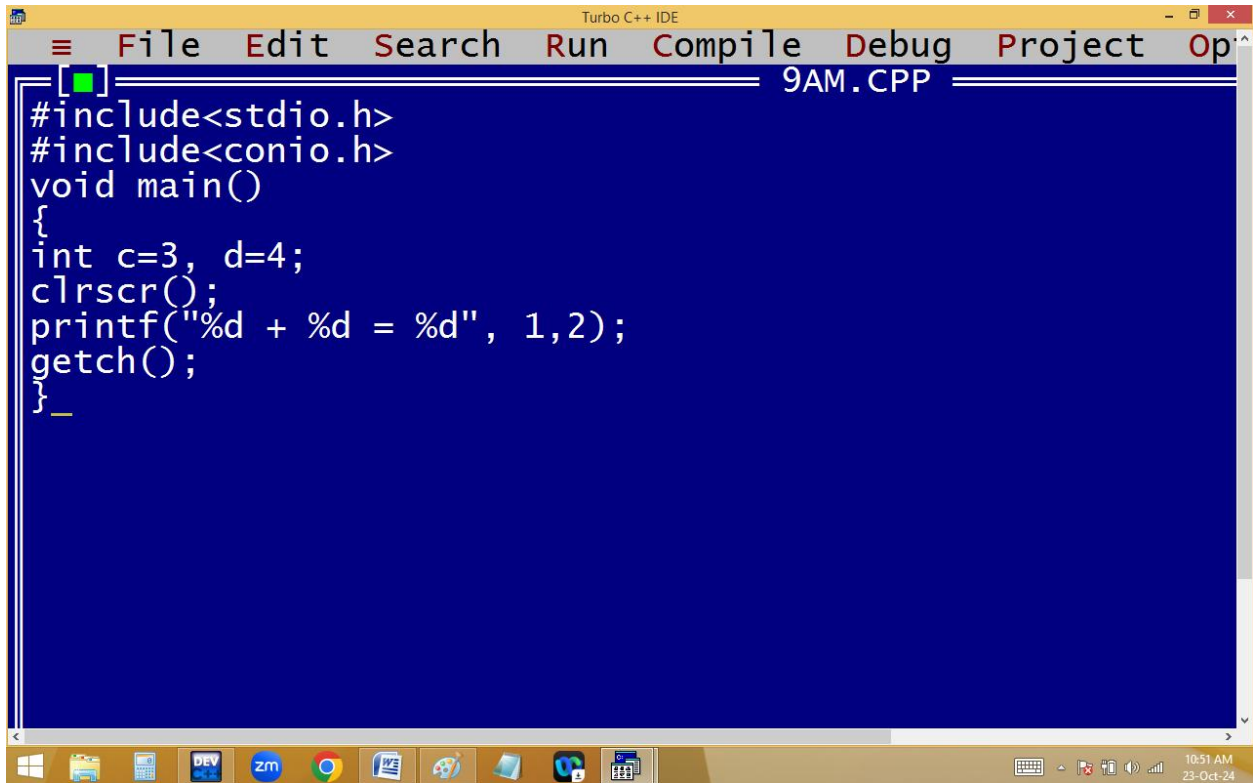
```
1 + 2 = 3
49 + 50 = 51
97 + 98 = 67
d + z = f
1 + 2 = 3
```
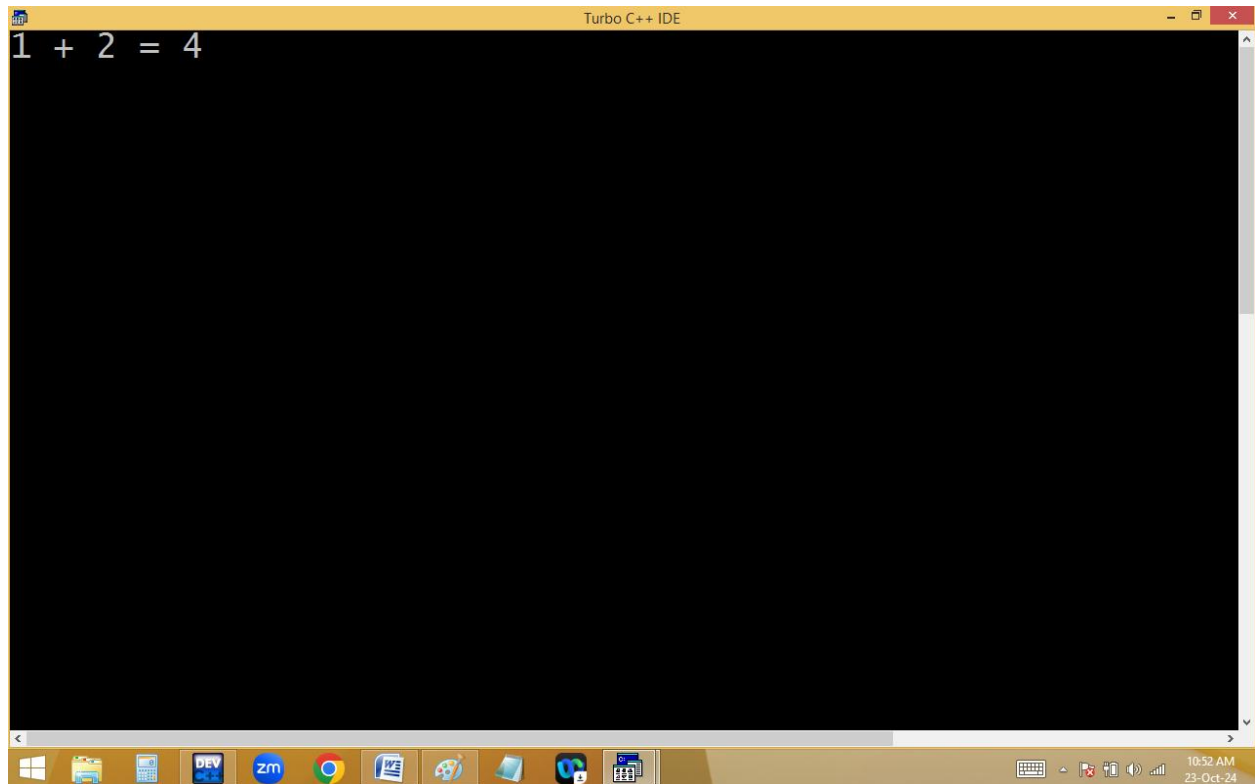
In C++:
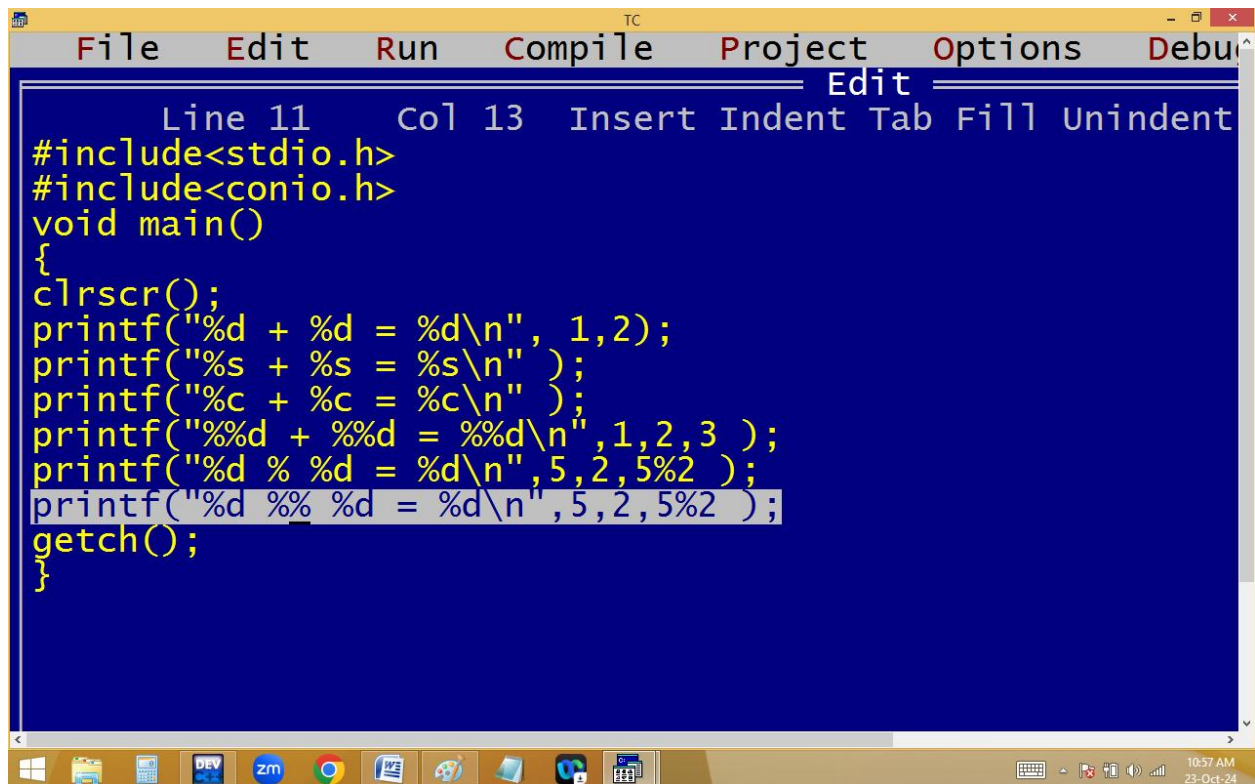
```
  ≡   File   Edit   Search   Run   Compile   Debug   Project   Op
[■]                                          9AM.CPP
#include<stdio.h>
#include<conio.h>
void main()
{
int c=3, d=4;
clrscr();
printf("%d + %d = %d", 1,2);
getch();
}_
```

```
1 + 2 = 4
```

File   Edit   Run   Compile   Project   Options   Debug

Edit

Line 11   Col 13   Insert Indent Tab Fill Unindent

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d + %d = %d\n", 1,2);
printf("%s + %s = %s\n" );
printf("%c + %c = %c\n" );
printf("%%d + %%d = %%d\n",1,2,3 );
printf("%d % %d = %d\n",5,2,5%2 );
printf("%d %% %d = %d\n",5,2,5%2 );
getch();
}
```

```
TC                                    _ □ ×

1 + 2 = -22
 + =
Ω + ↔ = ☺
%d + %d = %d
5 % %d = %d
5 % 2 = 1
_
```