File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Line 13   Col 1   Insert Indent Tab Fill Unindent * E:NONAME.C

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("%d\n",123);
printf("%5d\n",123);
printf("%-5d\n",123);
printf("%2d\n",123);
printf("%*d\n",5,77);
printf("%$d\n",5,77);
printf("%.5d\n",45);
getch();
}
```

```
123
   123
123
123
    77
%$d
00045
```

```c
#include<stdio.h>
#include<conio.h>
#include<math.h>
void  main()
{
clrscr();  printf("%f\n",12.5);
printf("%.0f\n",12.5);
printf("%.1f\n",12.5);
printf("%.2f\n",12.5);
printf("%.20f\n",12.5);
printf("%10.2f\n",12.5);
printf("%-10.2f\n",12.5);
printf("%1.2f\n",1.567);
printf("%1.2f\n",1.234);
printf("%1.0f\n",1.9);
printf("%1.0f\n",1.4);
printf("%1.2f\n",floor(1.9));
printf("%1.2f\n",ceil(1.9));
getch();
}
```

```
12.500000
12
12.5
12.50
12.50000000000000000000
      12.50
12.50
1.57
1.23
2
1
1.00
2.00
```

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr(); printf("%s\n","Kishore");
printf("Kishore\n");
printf("%10s\n","Kishore");
printf("%-10s\n","Kishore");
printf("%.3s\n","Kishore");
printf("%10.3s\n","Kishore");
printf("Krish %c Radha\n",3);
printf("%u\n","Bharathi");
printf("Bharathi\n"+1);
printf(1+"Bharathi\n"+1);
printf("Bharathi\n"+8);
printf("Bharathi\n"-1); /* blank or GrBharathi */
printf("%d\n"+1,899);
printf("%d"+1);
getch();
}
```

```
Kishore
Kishore
     Kishore
Kishore
Kis
        Kis
Krish ♥ Radha
504
harathi
arathi

d
d
```
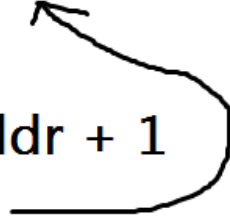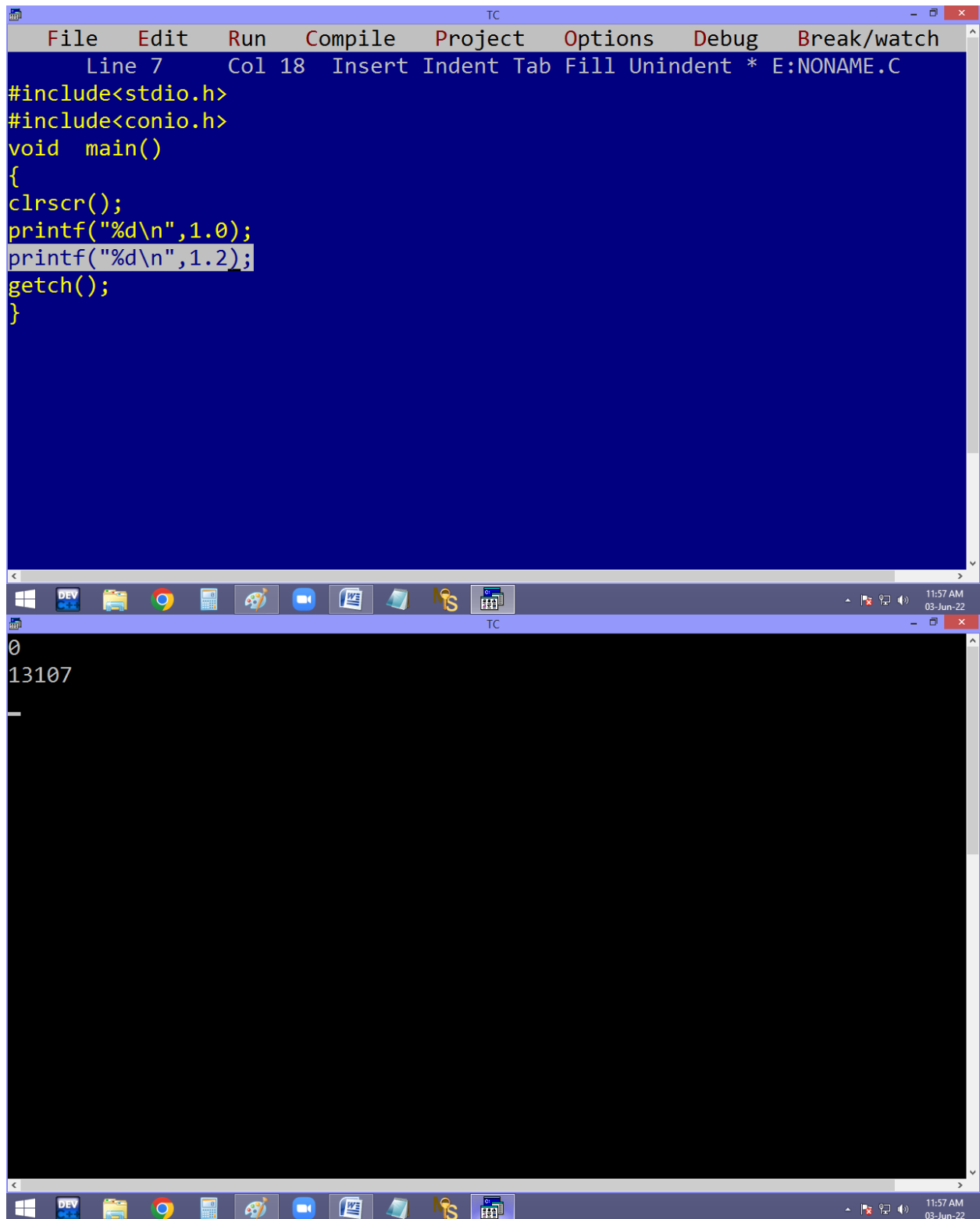
| B | h | a | r | a | t | h | i | \0 | + 1
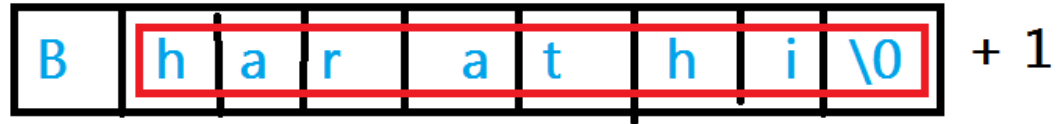
504 5 6 ....Addr

base addr + 1

505

File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Line 7   Col 18   Insert Indent Tab Fill Unindent * E:NONAME.C
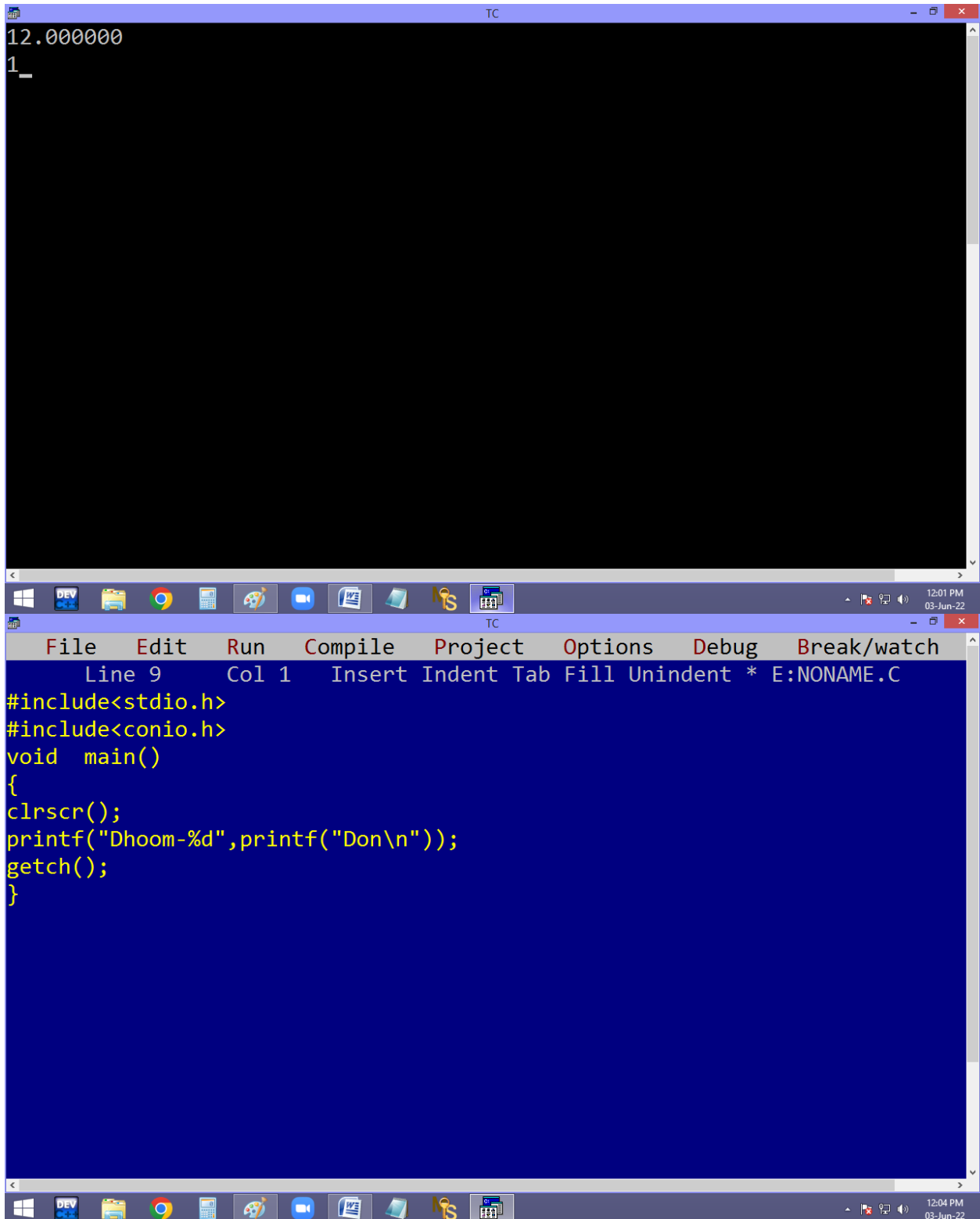
```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("%d\n",1.0);
printf("%d\n",1.2);
getch();
}
```

```
0
13107
```

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("%f",12);
getch();
}
/* runtime error */
```
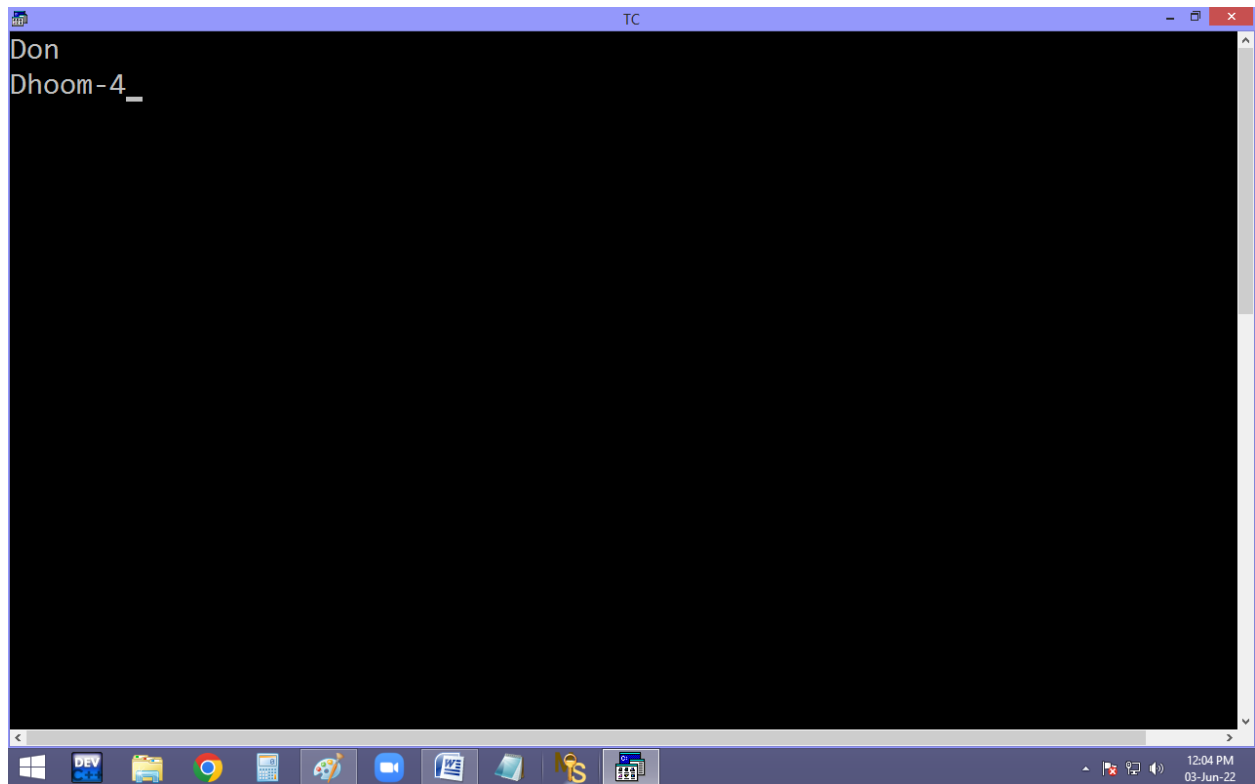
```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("%f\n",(float)12); /* explicit Type casting */
printf("%d",(int)1.2);
getch();
}
```

```
12.000000
1_
```
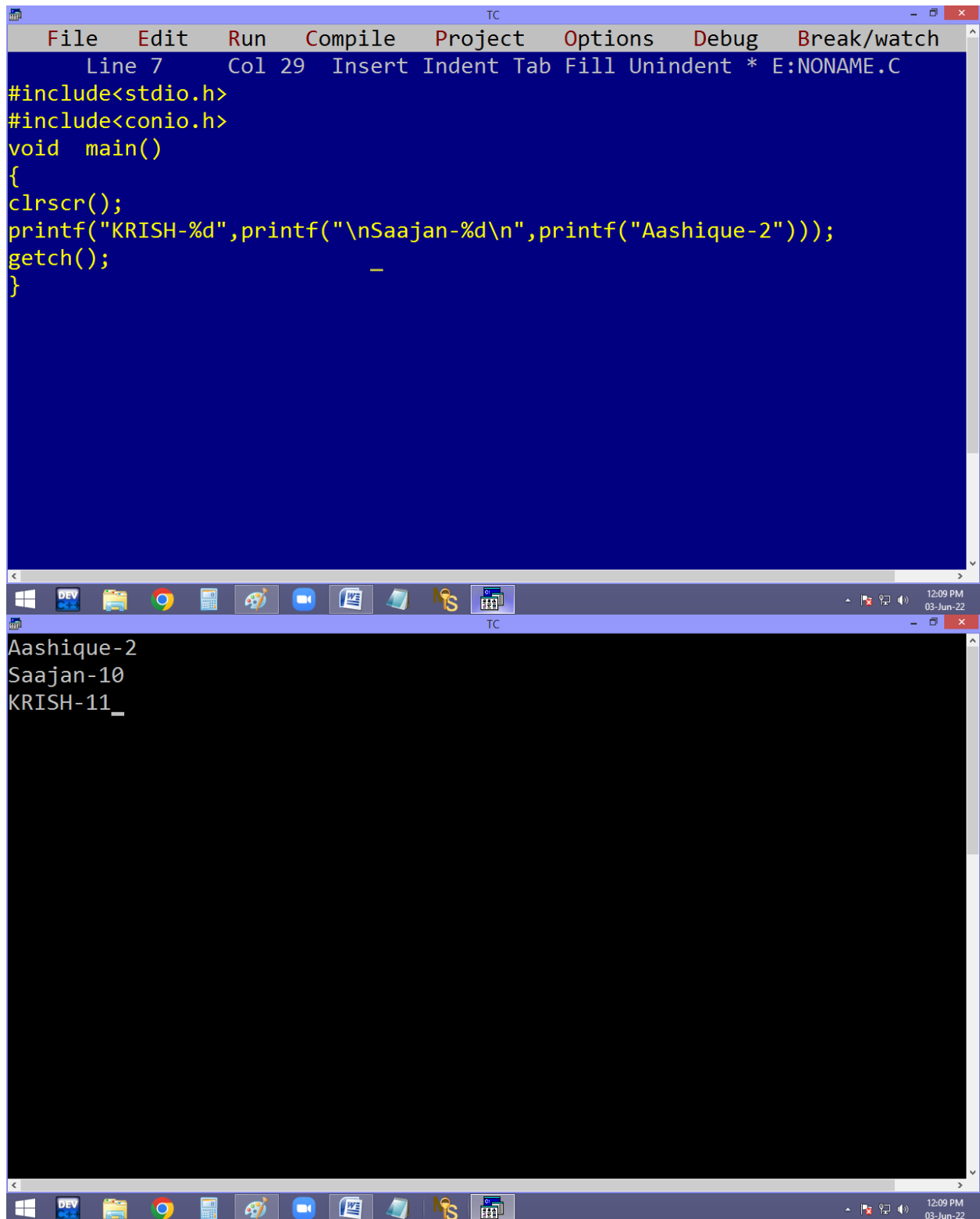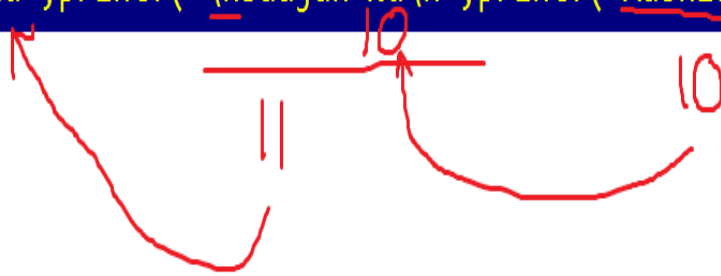
File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Line 9   Col 1   Insert Indent Tab Fill Unindent * E:NONAME.C

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("Dhoom-%d",printf("Don\n"));
getch();
}
```

```
Don
Dhoom-4_
```

p("Dhoom-%d", pr("DON\n"));

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("KRISH-%d",printf("\nSaajan-%d\n",printf("Aashique-2")));
getch();
}
```
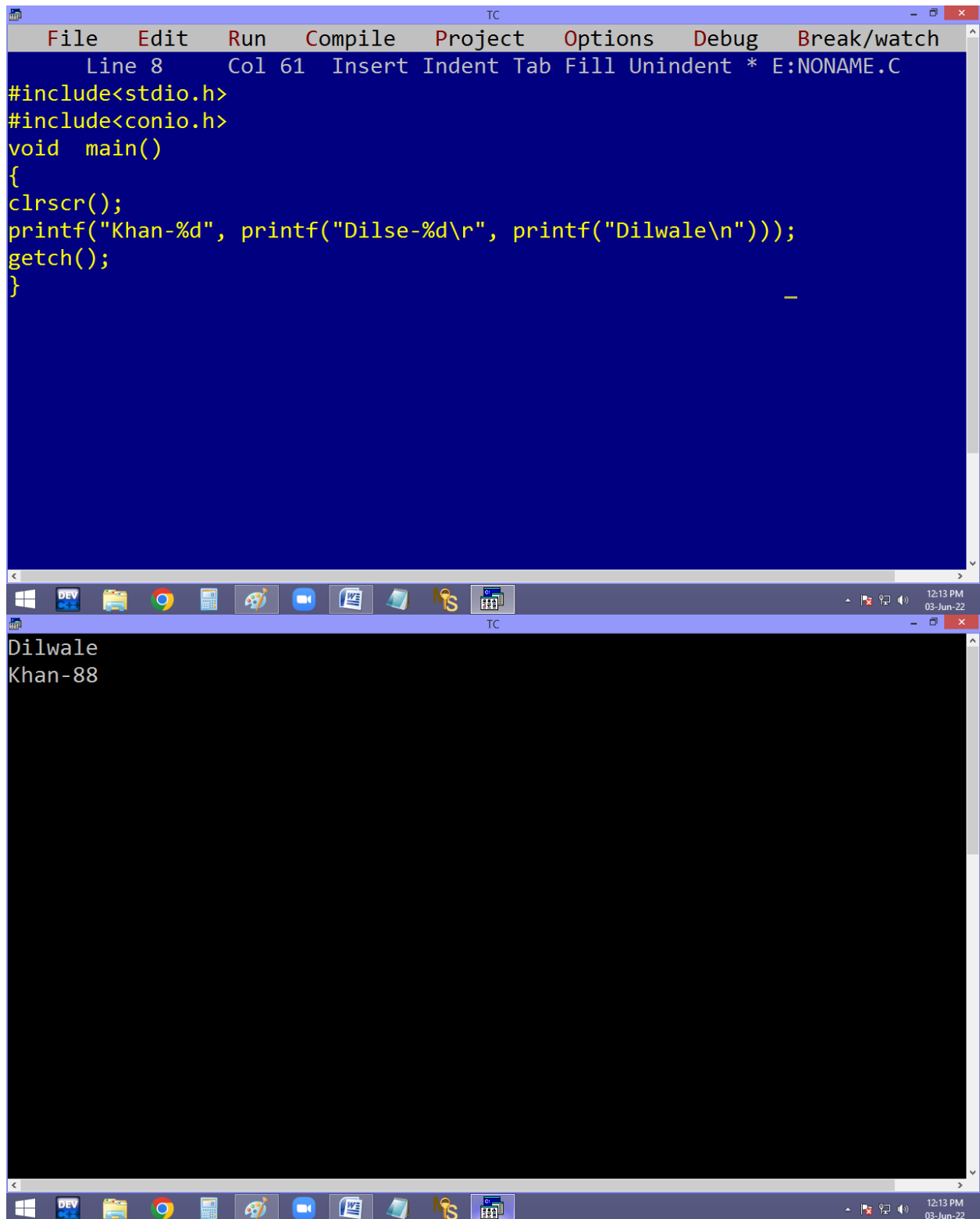
```
Aashique-2
Saajan-10
KRISH-11
```

```
printf("KRISH-%d",printf("\nSaajan-%d\n",printf("Aashique-2")));
```

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("Khan-%d", printf("Dilse-%d\r", printf("Dilwale\n")));
getch();
}
```

```
Dilwale
Khan-88
```

8

8

p("Khan-%d", p("Dilse-%d\r", p("Dilwale\n")));

8

8

```
Dilwale
Dil se-8\r

Khan-8
```
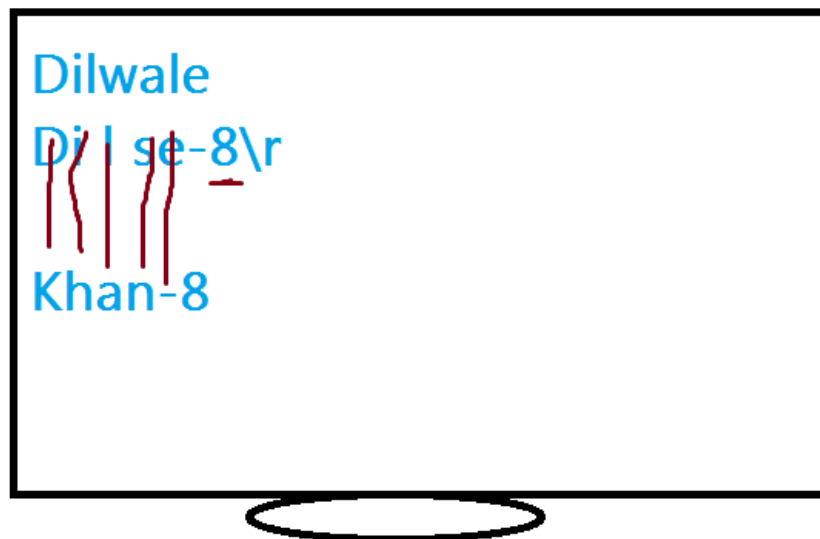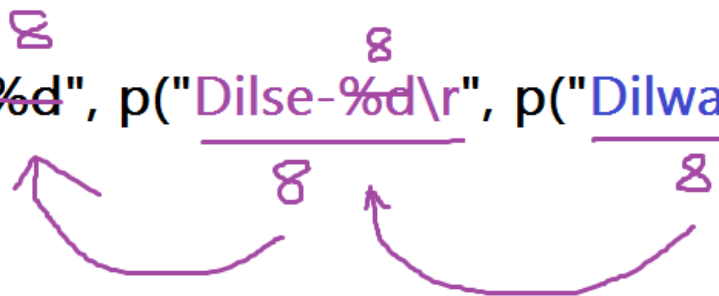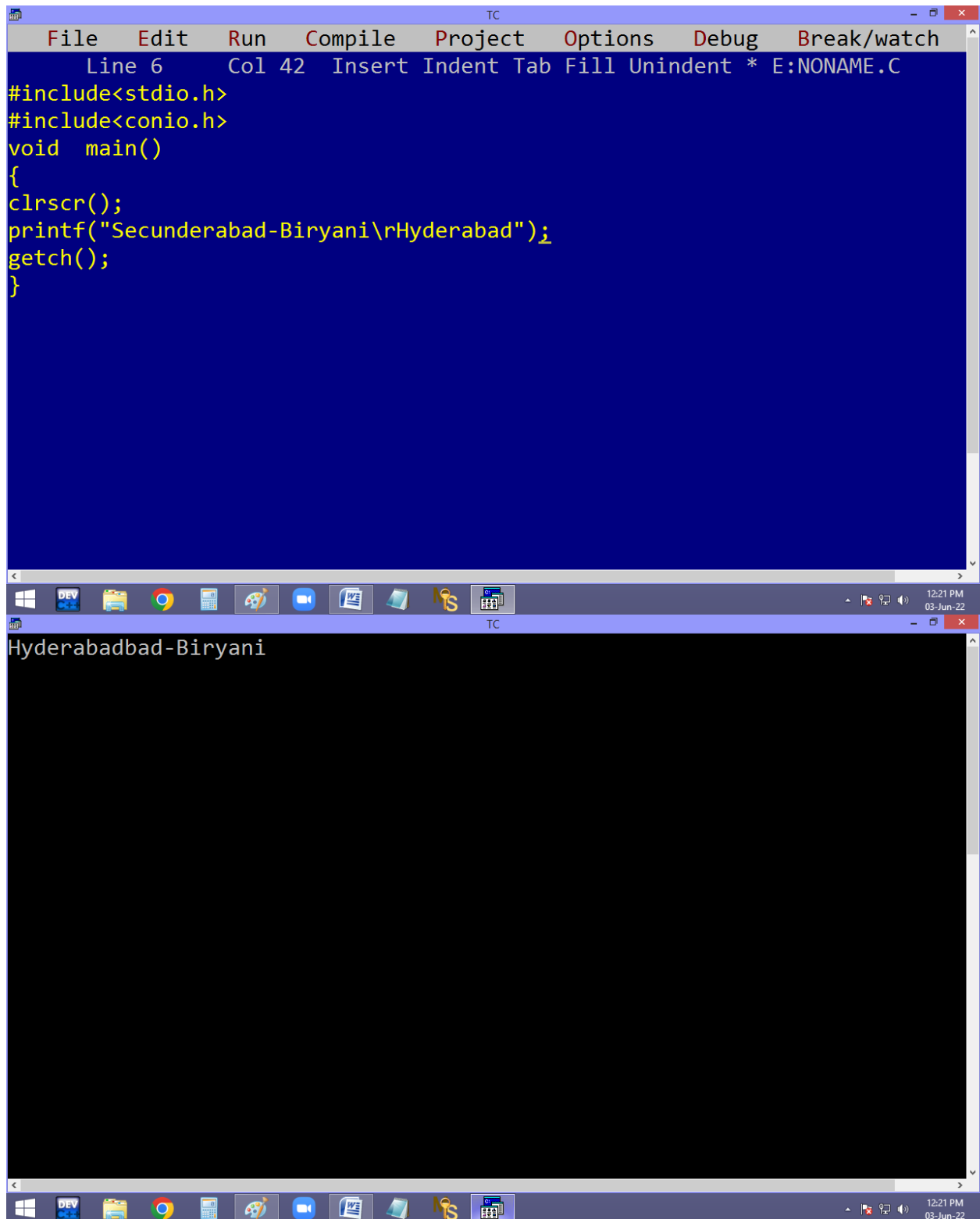
File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Line 6   Col 42   Insert Indent Tab Fill Unindent * E:NONAME.C

```c
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("Secunderabad-Biryani\rHyderabad");
getch();
}
```
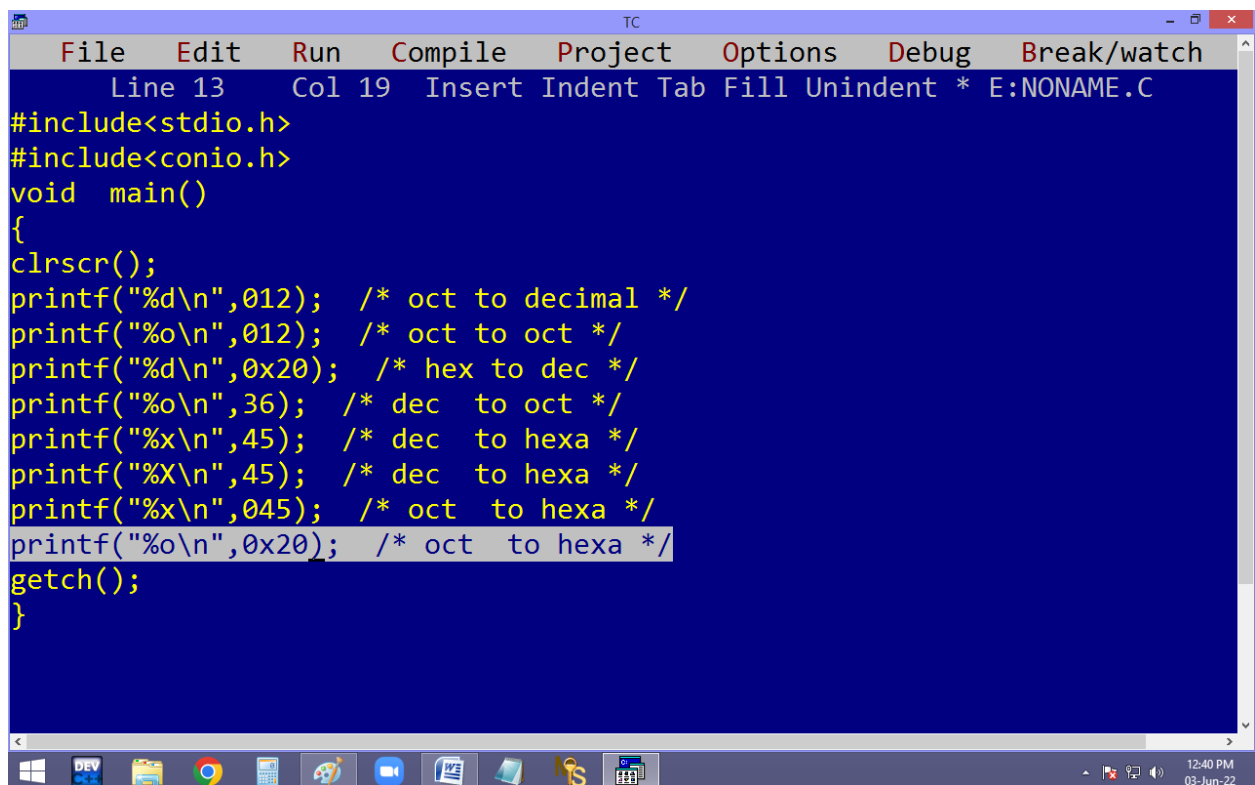
TC

Hyderabadbad-Biryani

Secunderabad-Biryani

Hyderabad

```
                              TC                                    _ ☐ ×
   File    Edit    Run    Compile    Project    Options    Debug    Break/watch
        Line 13    Col 19    Insert Indent Tab Fill Unindent * E:NONAME.C
#include<stdio.h>
#include<conio.h>
void  main()
{
clrscr();
printf("%d\n",012);   /* oct to decimal */
printf("%o\n",012);   /* oct to oct */
printf("%d\n",0x20);  /* hex to dec */
printf("%o\n",36);   /* dec  to oct */
printf("%x\n",45);   /* dec  to hexa */
printf("%X\n",45);   /* dec  to hexa */
printf("%x\n",045);   /* oct   to hexa */
printf("%o\n",0x20);   /* oct   to hexa */
getch();
}
```

12:40 PM
03-Jun-22

```
TC                                        _ □ ✕
10
12
32
44
2d
2D
25
40
```

oct to dec

$$0\ 1\ 2$$

$$\overset{1}{8}\times 1 + \overset{0}{8}\times 2$$

$$8 + 2 = 10$$

hexa to decimal

$$0 \times 2\ 0$$

$$\overset{1}{16}\times 2 + \overset{0}{16}\times 0$$

$$32 + 0 = 32$$

$$16\ \big|\underline{45}$$
$$2-13$$

a   b   c   d   e   f

0 - 9 10 11 12 13 14 15

dec to oct

$$8\ \big|\underline{36}$$
$$4-4\ \checkmark$$

$$45$$

$$\overset{1}{8}\times 4 + \overset{0}{8}\times 5$$

$$32 + 5 = 37$$

$$16\ \big|\underline{37}$$
$$2-5\ \checkmark$$

$$0 \times 2\ 0$$

$$\overset{1}{16}\times 2 + \overset{0}{16}\times 0$$

$$32 + 0 = 32$$

$$8\ \big|\underline{32}$$
$$4\cdot 0\ \checkmark$$