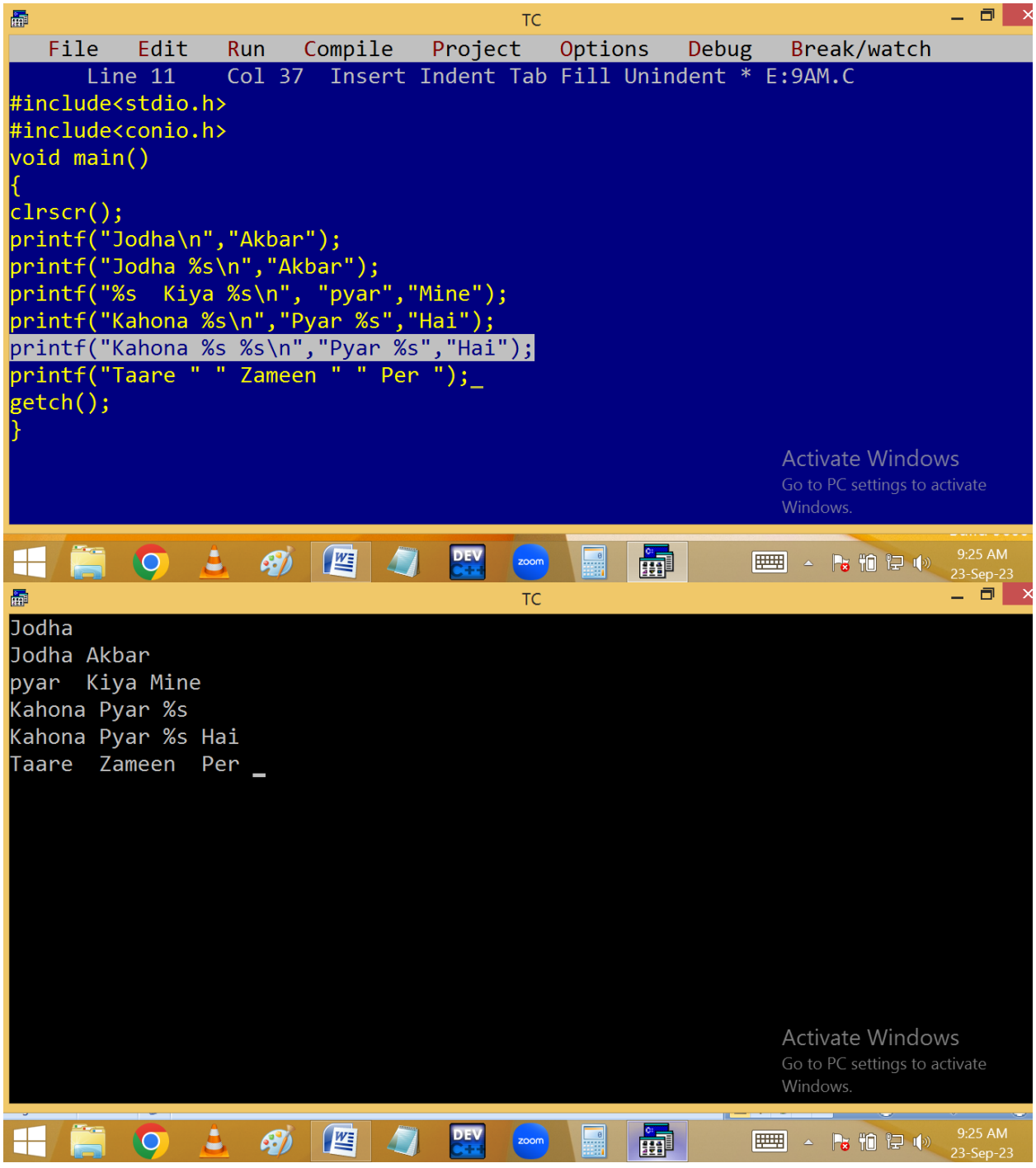
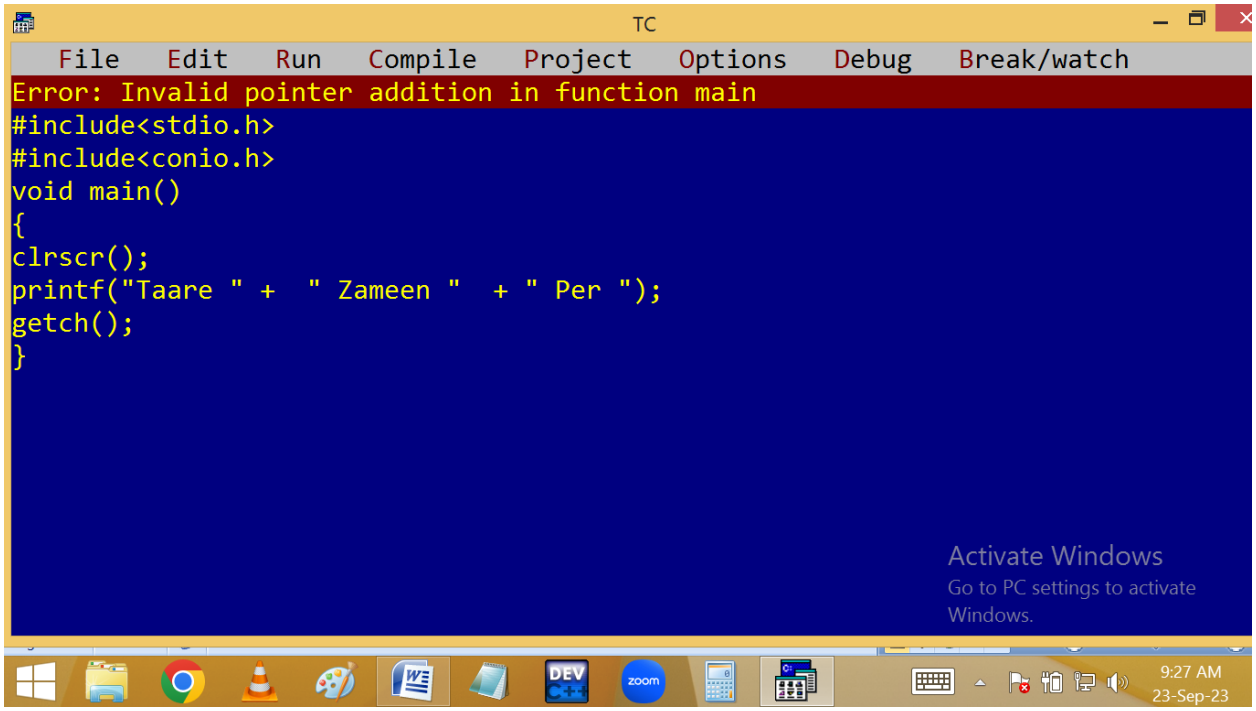
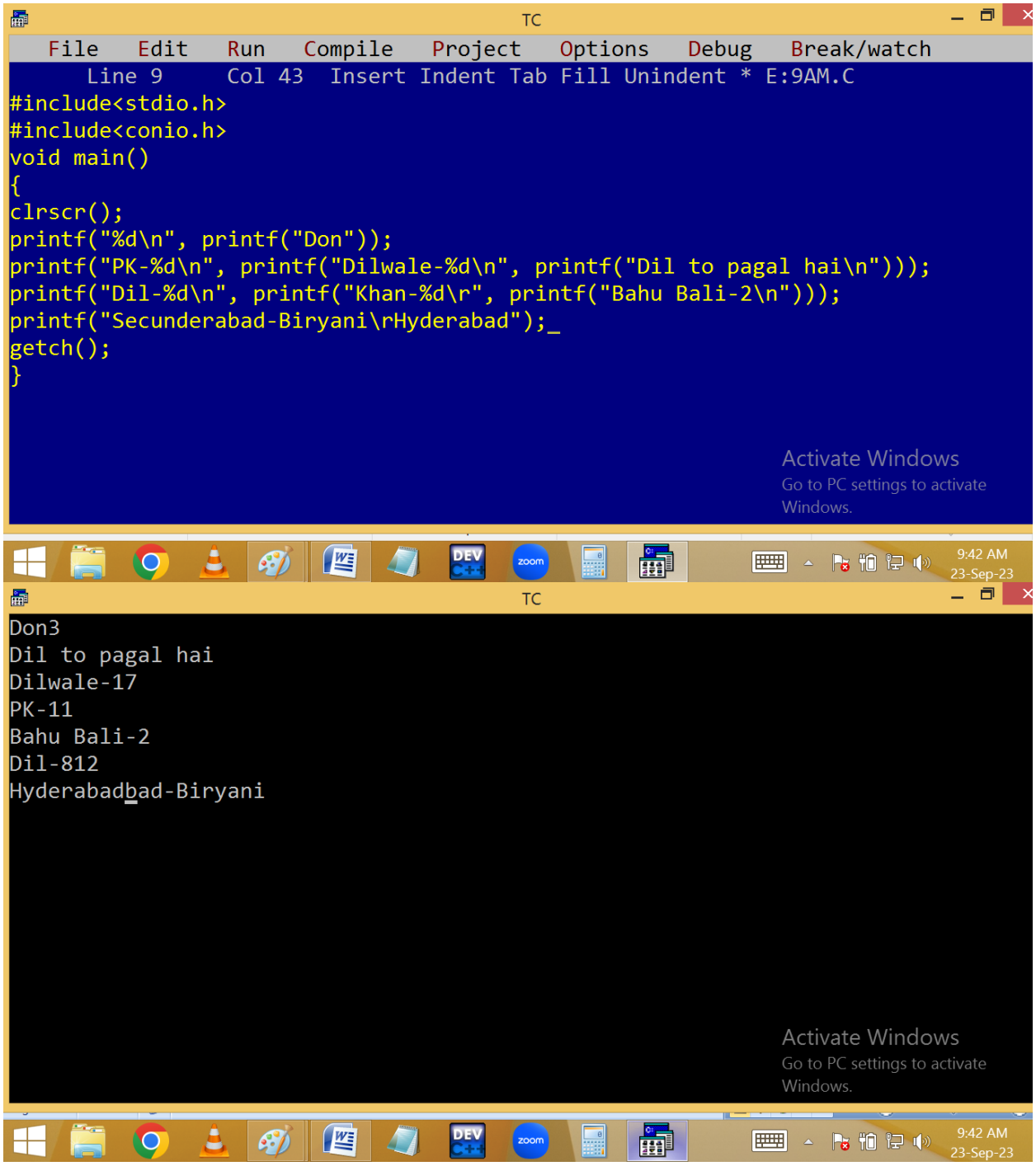
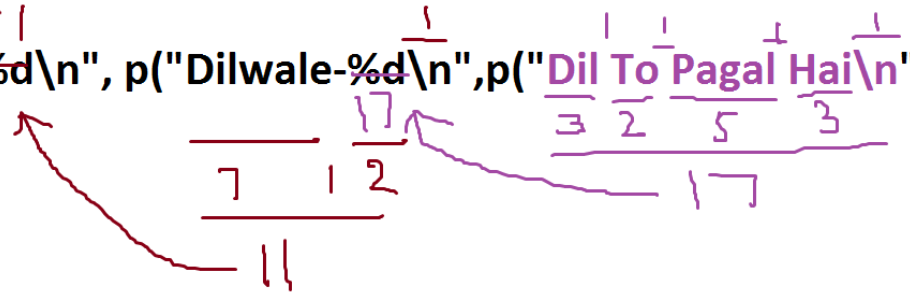

TC
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 37 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Jodha\n","Akbar");
printf("Jodha %s\n","Akbar");
printf("%s Kiya %s\n", "pyar","Mine");
printf("Kahona %s\n","Pyar %s","Hai");
printf("Kahona %s %s\n","Pyar %s","Hai");
printf("Taare " " Zameen " " Per ");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:25 AM
23-Sep-23
TC
Jodha
Jodha Akbar
pyar Kiya Mine
Kahona Pyar %s
Kahona Pyar %s Hai
Taare Zameen Per
Activate Windows
Go to PC settings to activate Windows.
9:25 AM
23-Sep-23

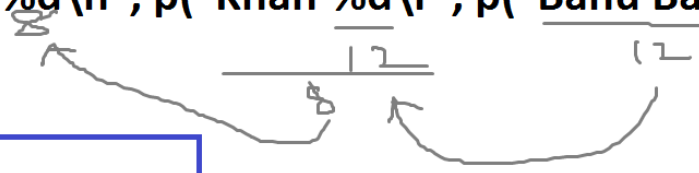

TC
File Edit Run Compile Project Options Debug Break/watch
Error: Invalid pointer addition in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Taare " + " Zameen " + " Per ");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:27 AM
23-Sep-23


TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 43 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", printf("Don"));
printf("PK-%d\n", printf("Dilwale-%d\n", printf("Dil to pagal hai\n")));
printf("Dil-%d\n", printf("Khan-%d\r", printf("Bahu Bali-2\n")));
printf("Secunderabad-Biryani\rHyderabad");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:42 AM
23-Sep-23
TC
Don3
Dil to pagal hai
Dilwale-17
PK-11
Bahu Bali-2
Dil-812
Hyderabadbad-Biryani
Activate Windows
Go to PC settings to activate Windows.
9:42 AM
23-Sep-23

```
p("Pk-%d\n", p("Dilwale-%d\n",p("Dil To Pagal Hai\n")));
```

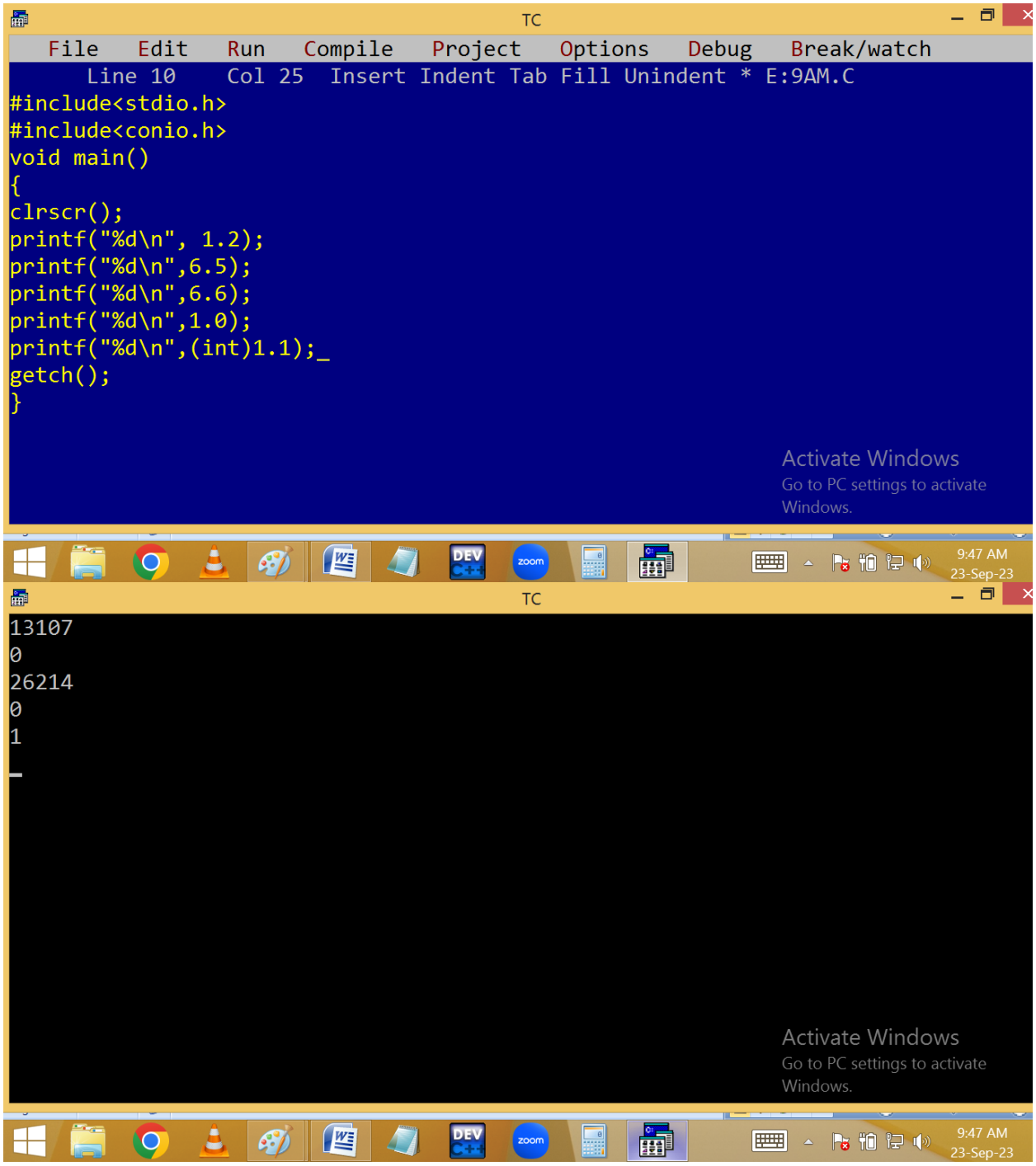


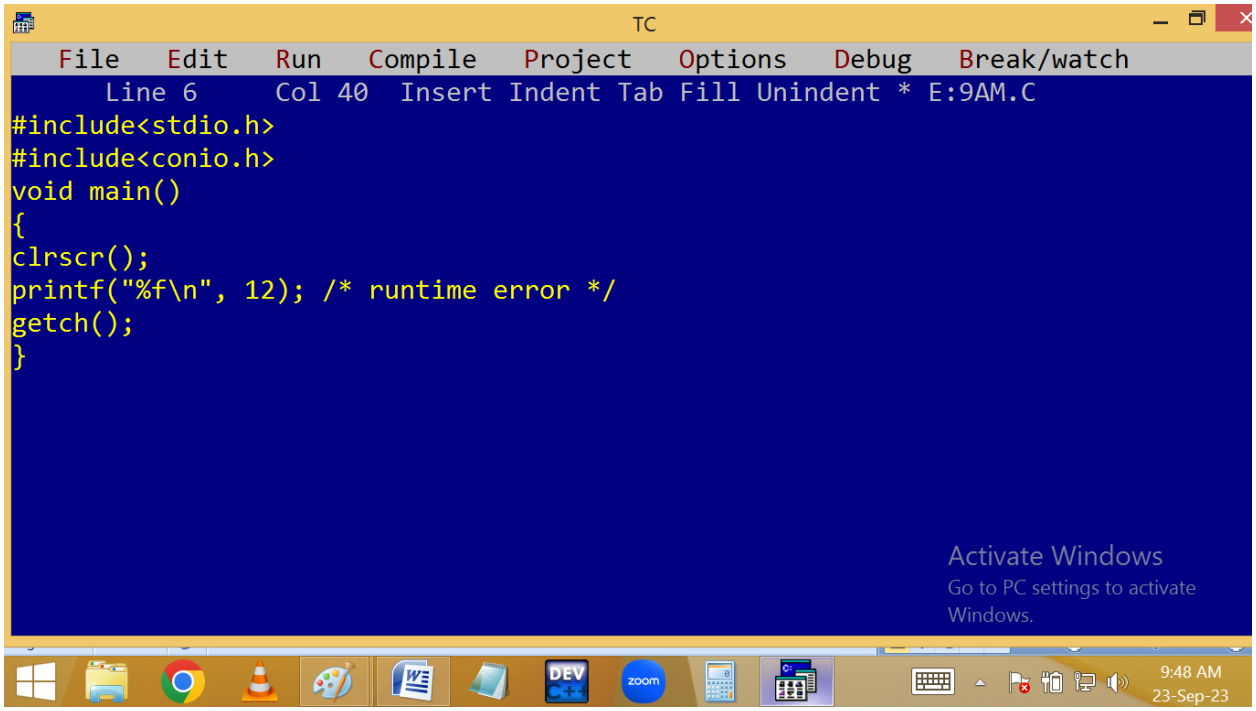
```
p("Dil-%d\n", p("Khan-%d\r", p("Bahu Bali-2 \n ")));
```

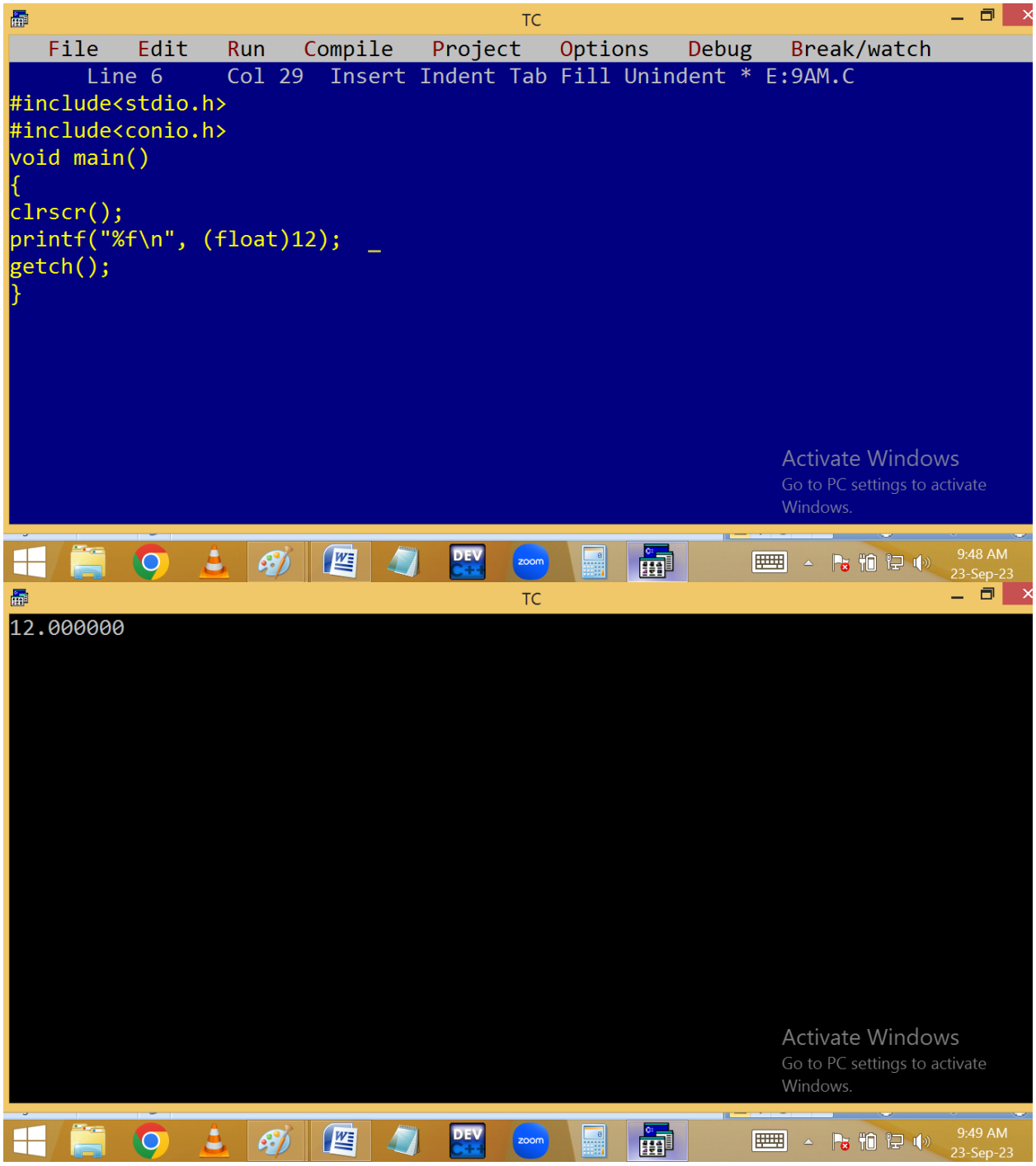


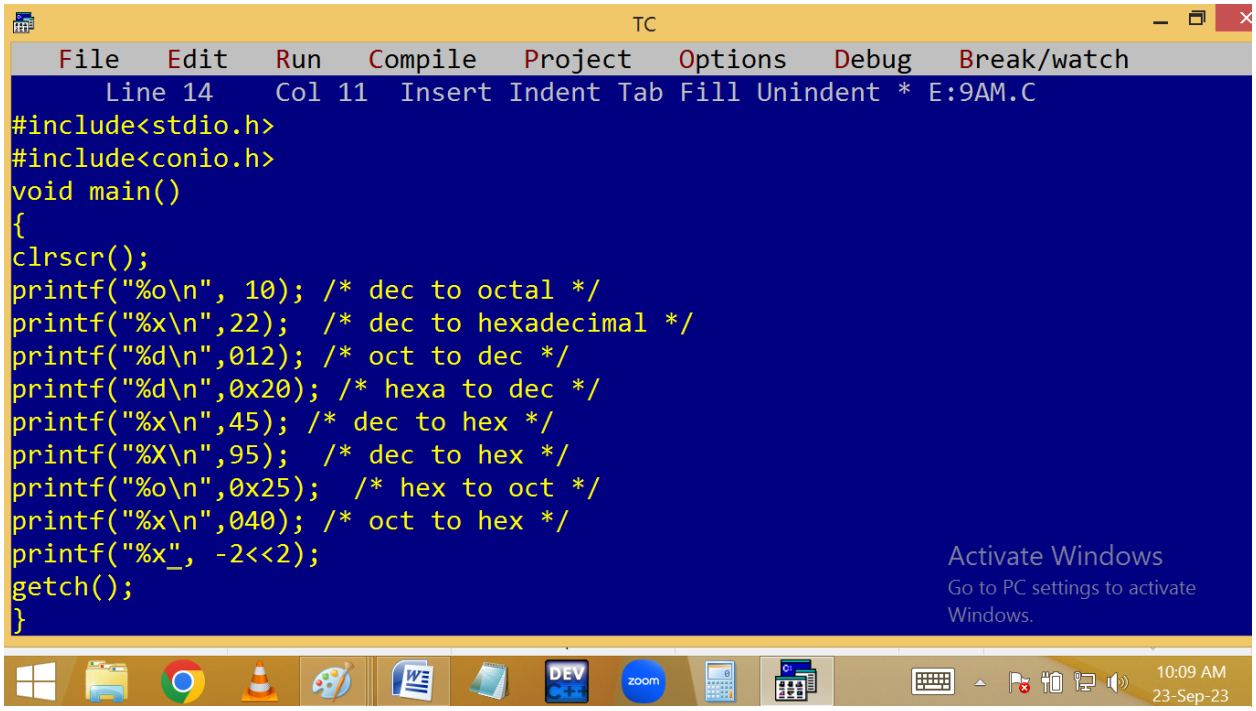
```
Bahu Bali-2
Khan-12
Dil-8
```

```
Secunderabad-Biryani\r
Hyderabad
```


TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 25 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", 1.2);
printf("%d\n",6.5);
printf("%d\n",6.6);
printf("%d\n",1.0);
printf("%d\n",(int)1.1);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:47 AM
23-Sep-23
TC
13107
0
26214
0
1
Activate Windows
Go to PC settings to activate Windows.
9:47 AM
23-Sep-23


TC
File Edit Run Compile Project Options Debug Break/watch
Line 6 Col 40 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n", 12); /* runtime error */
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:48 AM
23-Sep-23


TC
File Edit Run Compile Project Options Debug Break/watch
Line 6 Col 29 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n", (float)12);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
9:48 AM
23-Sep-23
TC
12.000000
Activate Windows
Go to PC settings to activate Windows.
9:49 AM
23-Sep-23



TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 11 Insert Indent Tab Fill Unindent * E:9AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%o\n", 10); /* dec to octal */
printf("%x\n",22);  /* dec to hexadecimal */
printf("%d\n",012); /* oct to dec */
printf("%d\n",0x20); /* hexa to dec */
printf("%x\n",45); /* dec to hex */
printf("%X\n",95);  /* dec to hex */
printf("%o\n",0x25);  /* hex to oct */
printf("%x\n",040); /* oct to hex */
printf("%x", -2<<2);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

10:09 AM
23-Sep-23

$8 \,\underline{|\,10}$

$1-2$ ✓

$16 \,\underline{|\,22}$

$1-6$ ✓

$0\ 1\ 2$

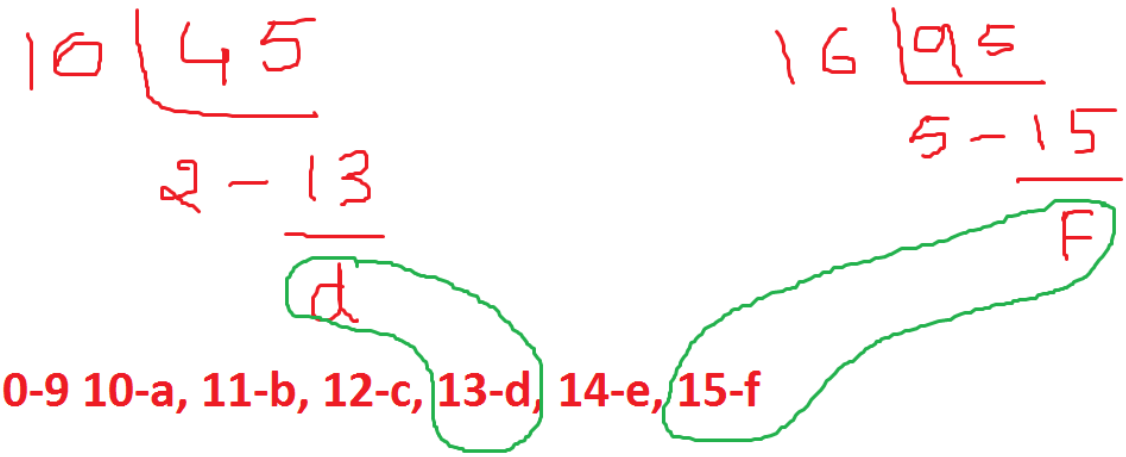
$\overset{1}{8} \times 1 + \overset{0}{8} \times 2$

$8 + 2 = 10$

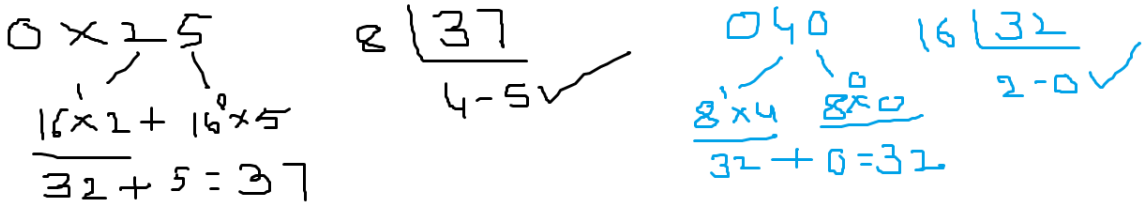
$0 \times 2\ 0$

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

$32 + 0 = 32$



0-9 10-a, 11-b, 12-c, 13-d, 14-e, 15-f



-2<<2=-8

8 = 0000 0000 0000 1000

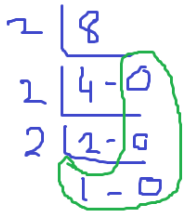
~ = 1111 1111 1111 0111

2~=0000 0000 0000 0001

1111 1111 1111 1000

8 15 15 15

-2<<2==>4==> -8



8 = 0000 0000 0000 1000

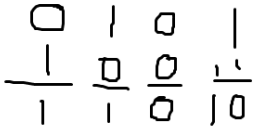
1~ = 1111 1111 1111 0111

2~ = 0000 0000 0000 0001

1111 1111 1111 1000

15 15 15 8

f f f 8



TC

File Edit Run Compile Project Options Debug Break/watch

Line 9 Col 13 Insert Indent Tab Fill Unindent * E:9AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",32768);  /* -32768 */
printf("%d\n",32770);  /* -32766 */
printf("%d\n",-32770);  /* +32766 */
printf("%d\n",65540);    /* 4 */
printf("%u",-5);       /* 65531 */
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

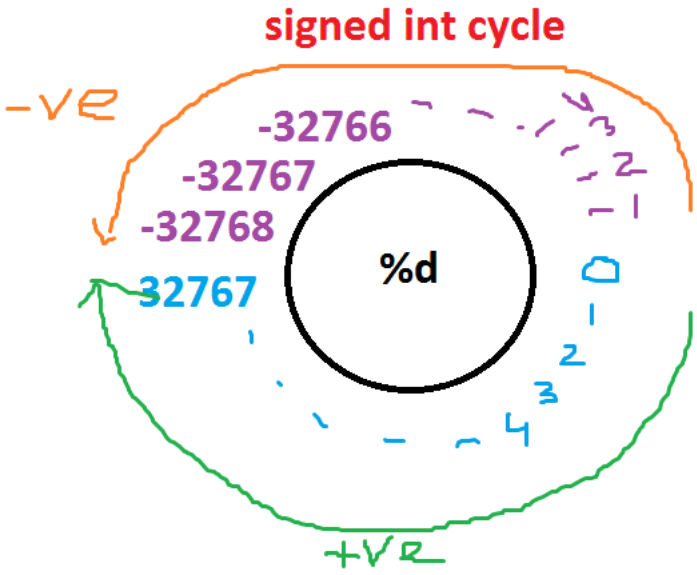
10:29 AM
23-Sep-23

C & C++ int - 16 bit compilers ==>2^{16} ==> 2^0 to 2^{15} ==> 65536

- signed int -32768 to +32767
- unsigned int - 0 to 65535

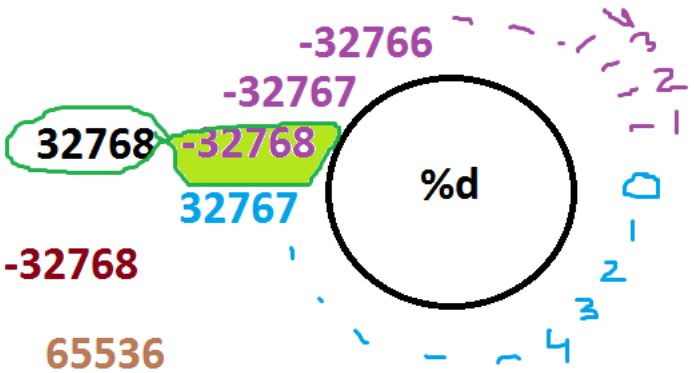
java/.ne/py/dev c++ - 32 bit ==>2^{32} ==> 4294967296

- signed -2147483648 to +2147483647
- unsigned - 0 to 4294967295


signed int cycle
-ve
-32766
-32767
-32768
32767
%d
+ve

32768

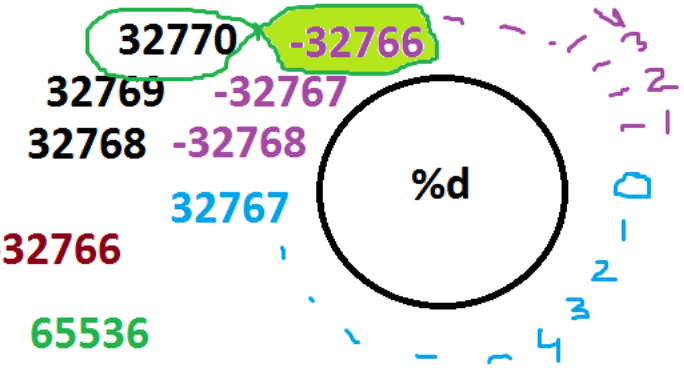
signed int cycle



32768
-32768 + 0 = -32768
0

65536
32768
-32768

signed int cycle



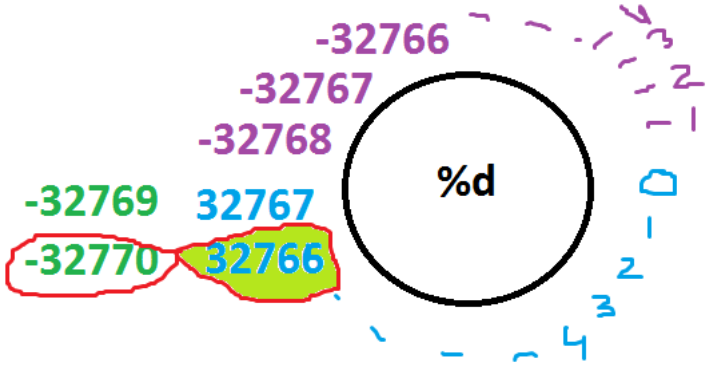
32770
-32768 + 2 = -32766
2

65536
32770
-32766

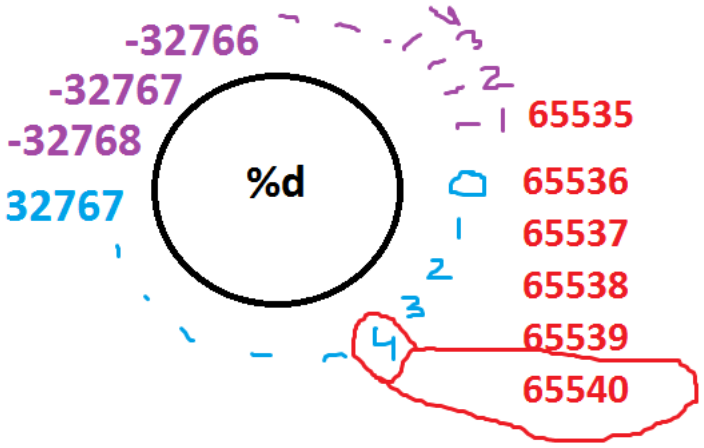
-32770

65536
-32770
32766

signed int cycle

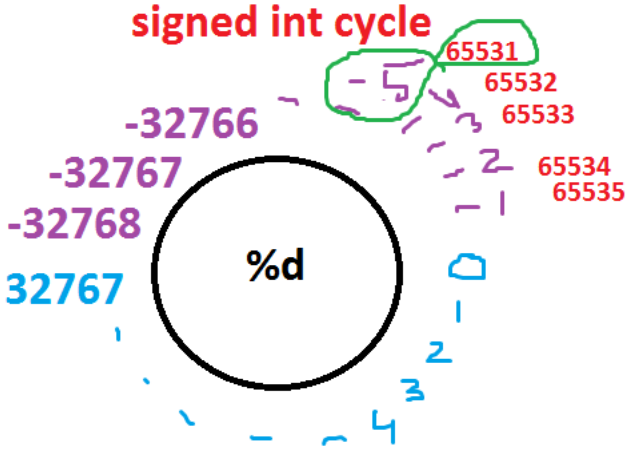


signed int cycle



65540
-65536
4

signed int cycle



65536
-5
65531