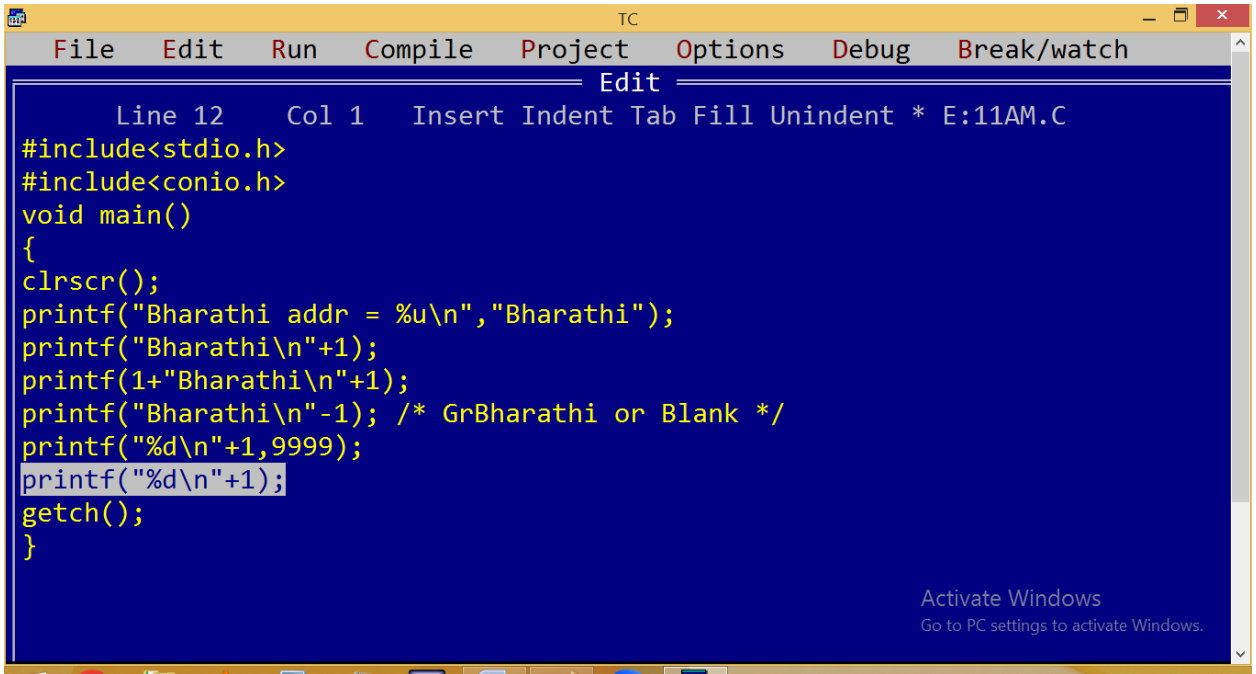
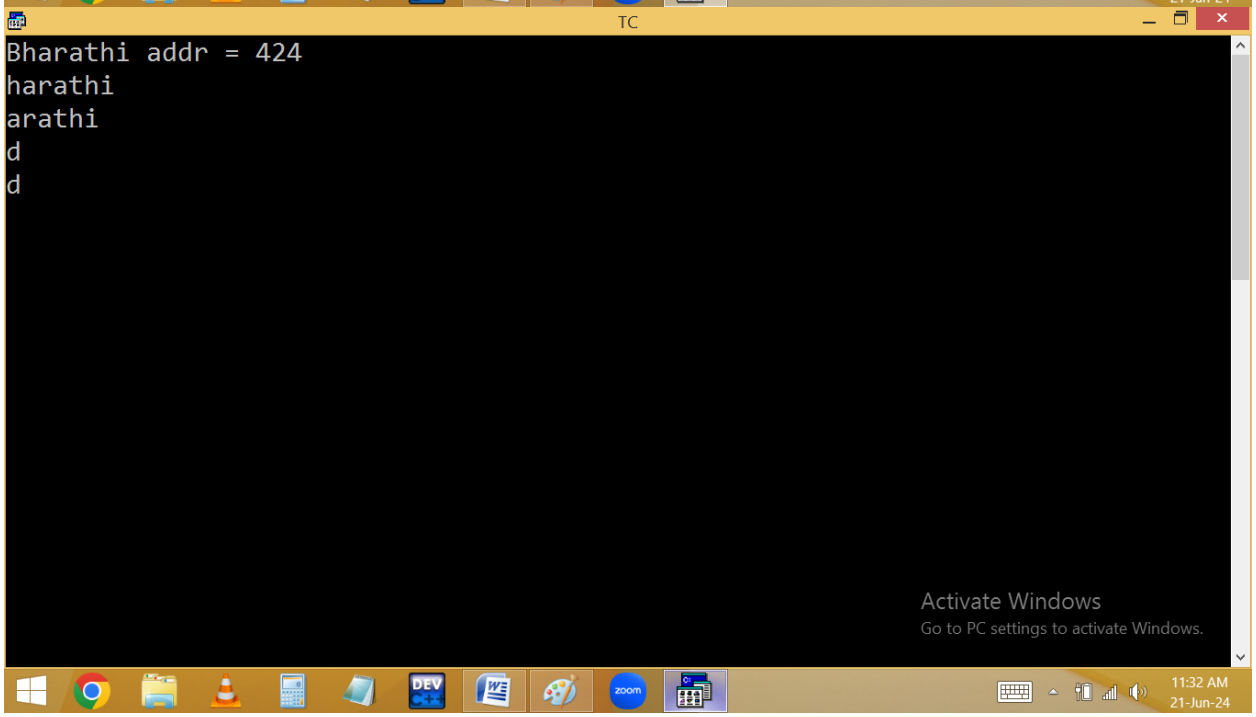
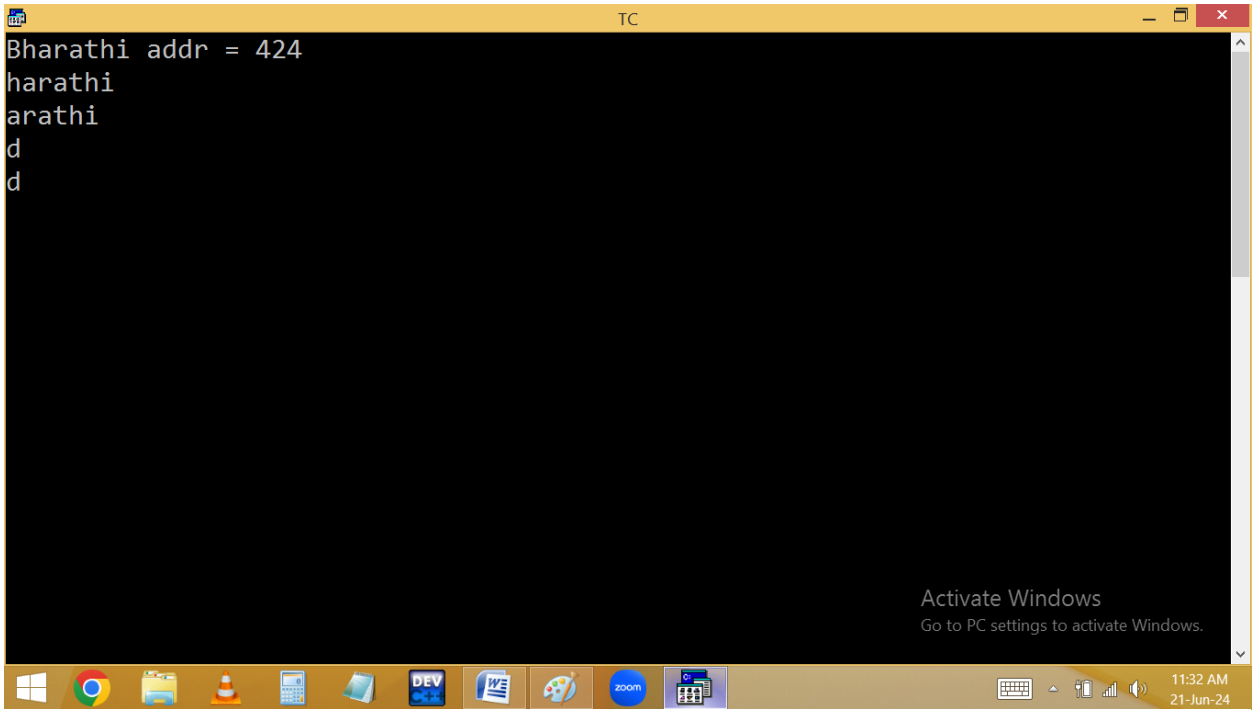
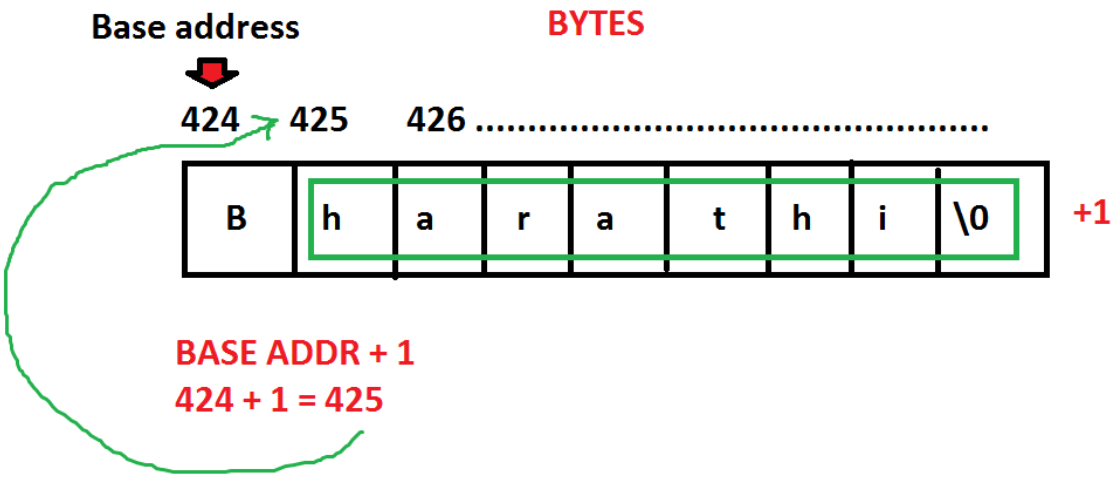
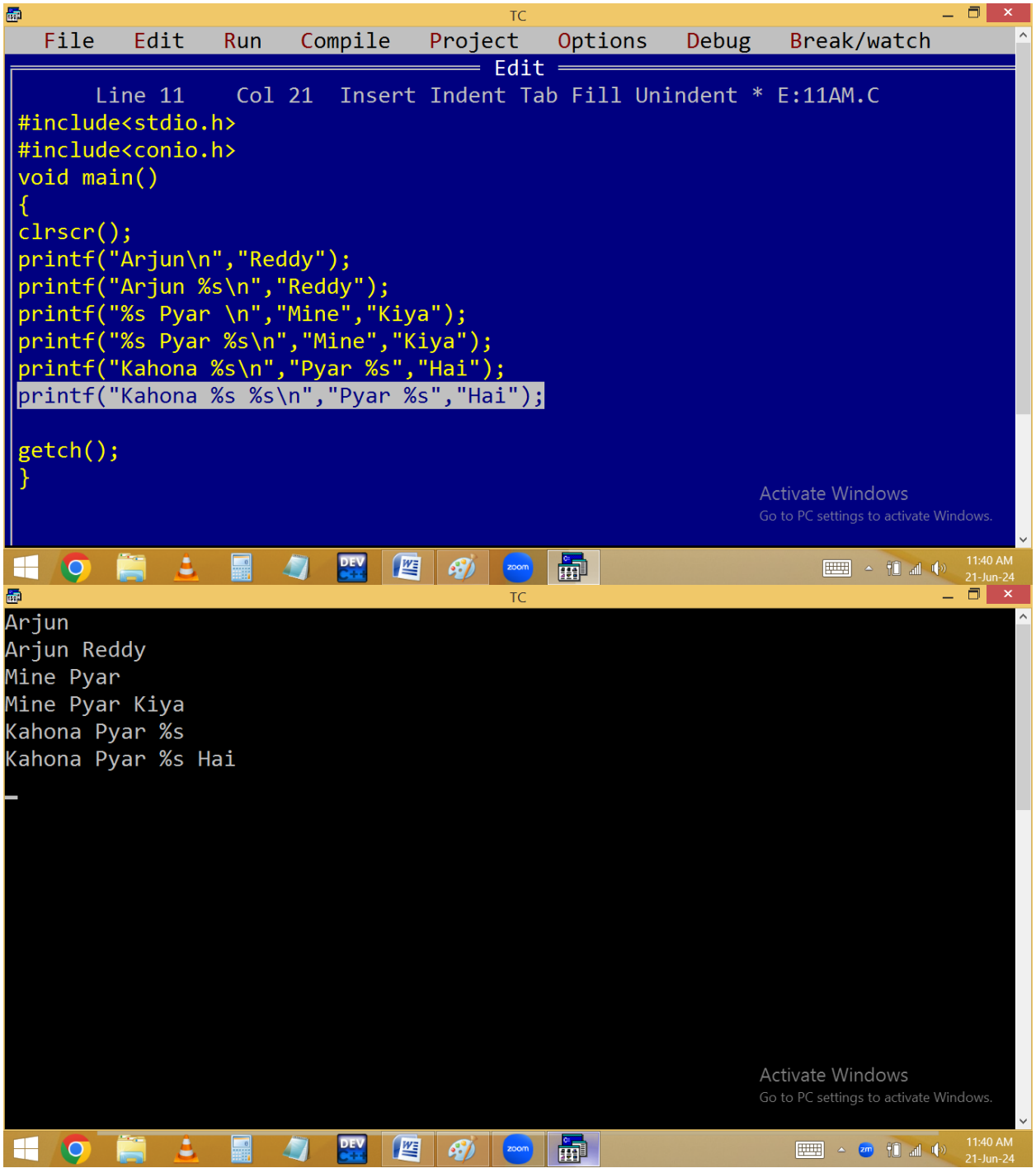
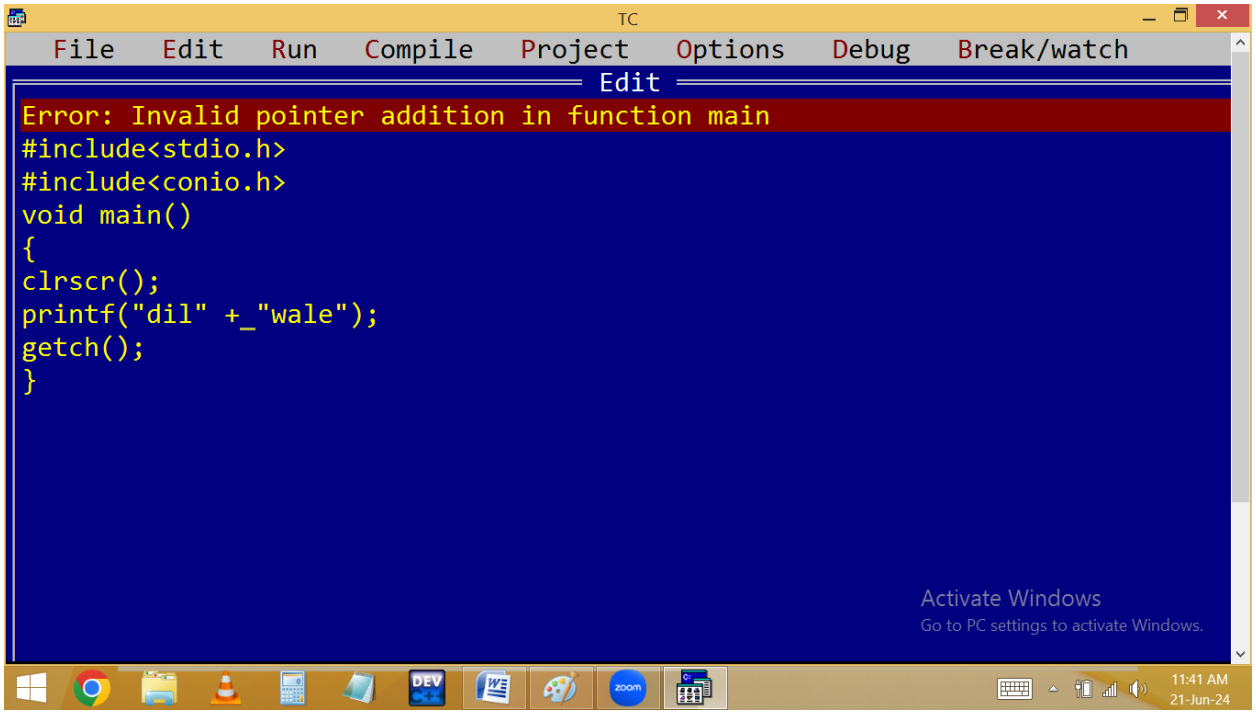

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 12 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Bharathi addr = %u\n","Bharathi");
printf("Bharathi\n"+1);
printf(1+"Bharathi\n"+1);
printf("Bharathi\n"-1); /* GrBharathi or Blank */
printf("%d\n"+1,9999);
printf("%d\n"+1);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
11:32 AM
21-Jun-24

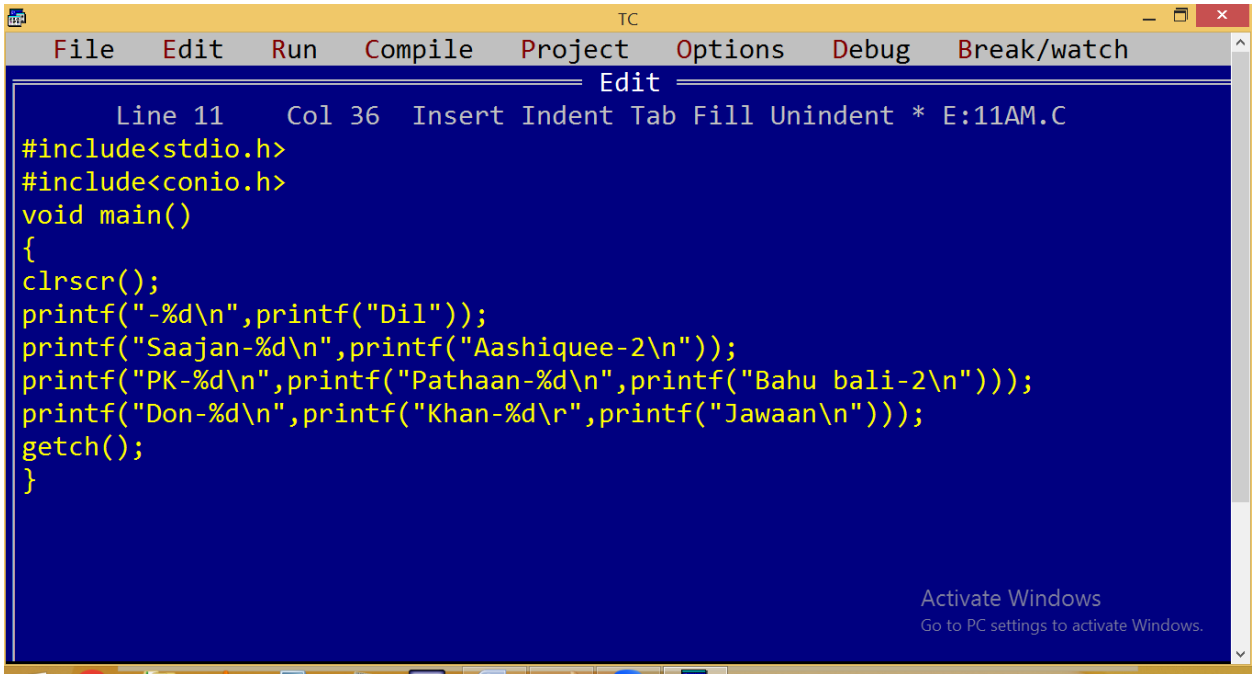

TC
Bharathi addr = 424
harathi
arathi
d
d
Activate Windows
Go to PC settings to activate Windows.
11:32 AM
21-Jun-24

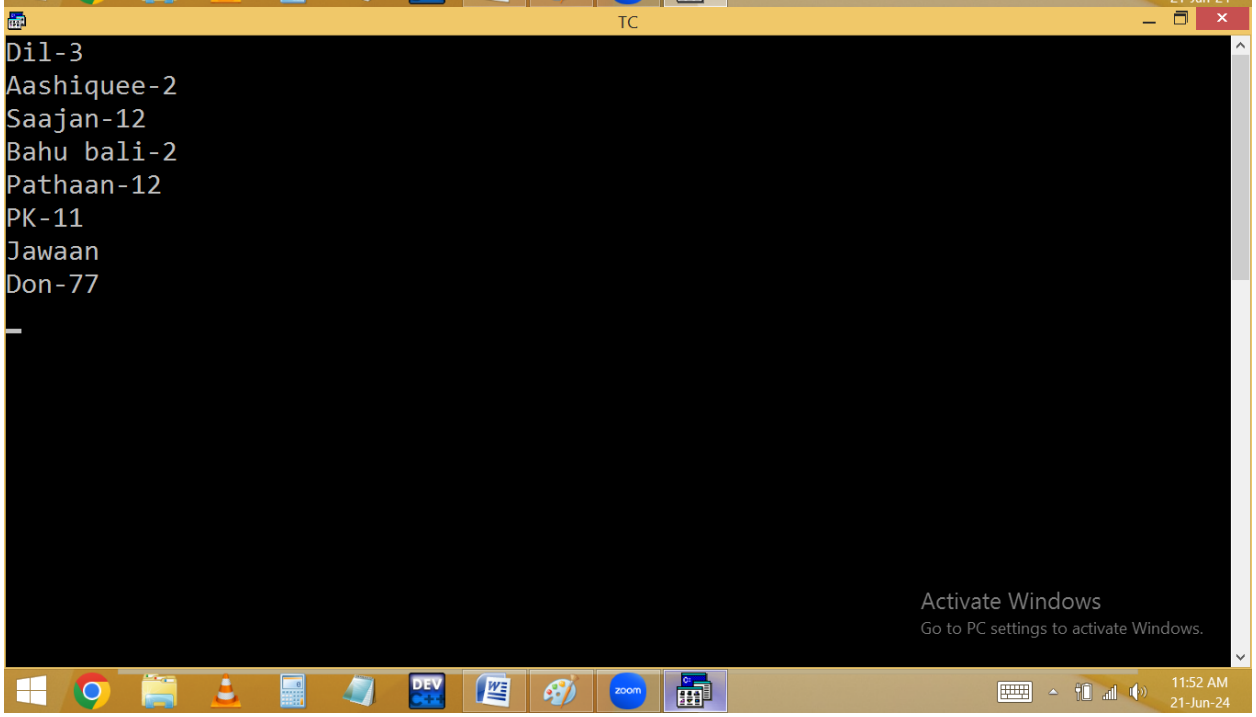

TC
Bharathi addr = 424
harathi
arathi
d
d
Activate Windows
Go to PC settings to activate Windows.
11:32 AM
21-Jun-24


Base address
BYTES
424
425
426 .....
B
h
a
r
a
t
h
i
\0
+1
BASE ADDR + 1
424 + 1 = 425

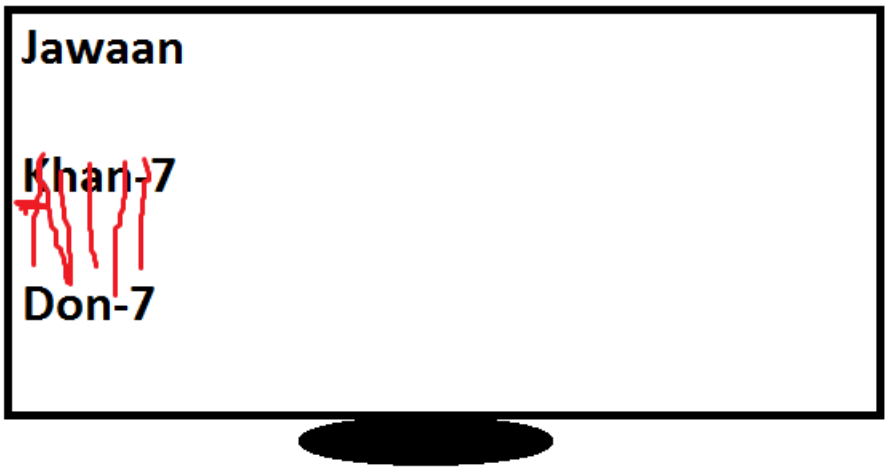

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 11 Col 21 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Arjun\n","Reddy");
printf("Arjun %s\n","Reddy");
printf("%s Pyar \n","Mine","Kiya");
printf("%s Pyar %s\n","Mine","Kiya");
printf("Kahona %s\n","Pyar %s","Hai");
printf("Kahona %s %s\n","Pyar %s","Hai");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
11:40 AM
21-Jun-24
TC
Arjun
Arjun Reddy
Mine Pyar
Mine Pyar Kiya
Kahona Pyar %s
Kahona Pyar %s Hai
Activate Windows
Go to PC settings to activate Windows.
11:40 AM
21-Jun-24

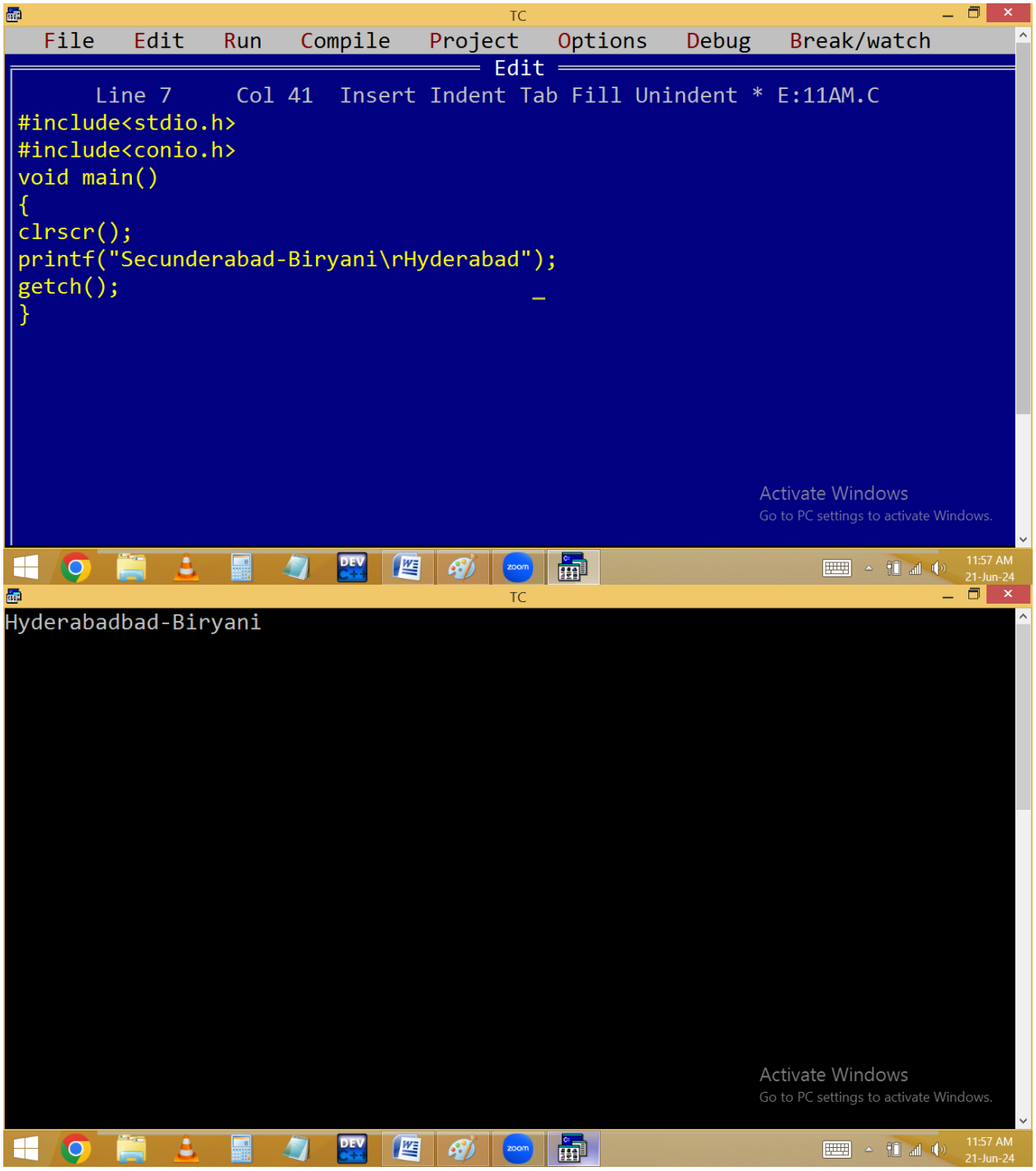

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Error: Invalid pointer addition in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("dil" +_"wale");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
11:41 AM
21-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 11 Col 36 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("-%d\n",printf("Dil"));
printf("Saajan-%d\n",printf("Aashiquee-2\n"));
printf("PK-%d\n",printf("Pathaan-%d\n",printf("Bahu bali-2\n")));
printf("Don-%d\n",printf("Khan-%d\r",printf("Jawaan\n")));
getch();
}
Activate Windows
Go to PC settings to activate Windows.
11:52 AM
21-Jun-24

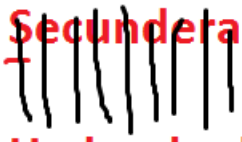

TC
Dil-3
Aashiquee-2
Saajan-12
Bahu bali-2
Pathaan-12
PK-11
Jawaan
Don-77
Activate Windows
Go to PC settings to activate Windows.
11:52 AM
21-Jun-24

```
p("Don-%d\n", p("Khan-%d\r", p("Jawaan\n")));
```

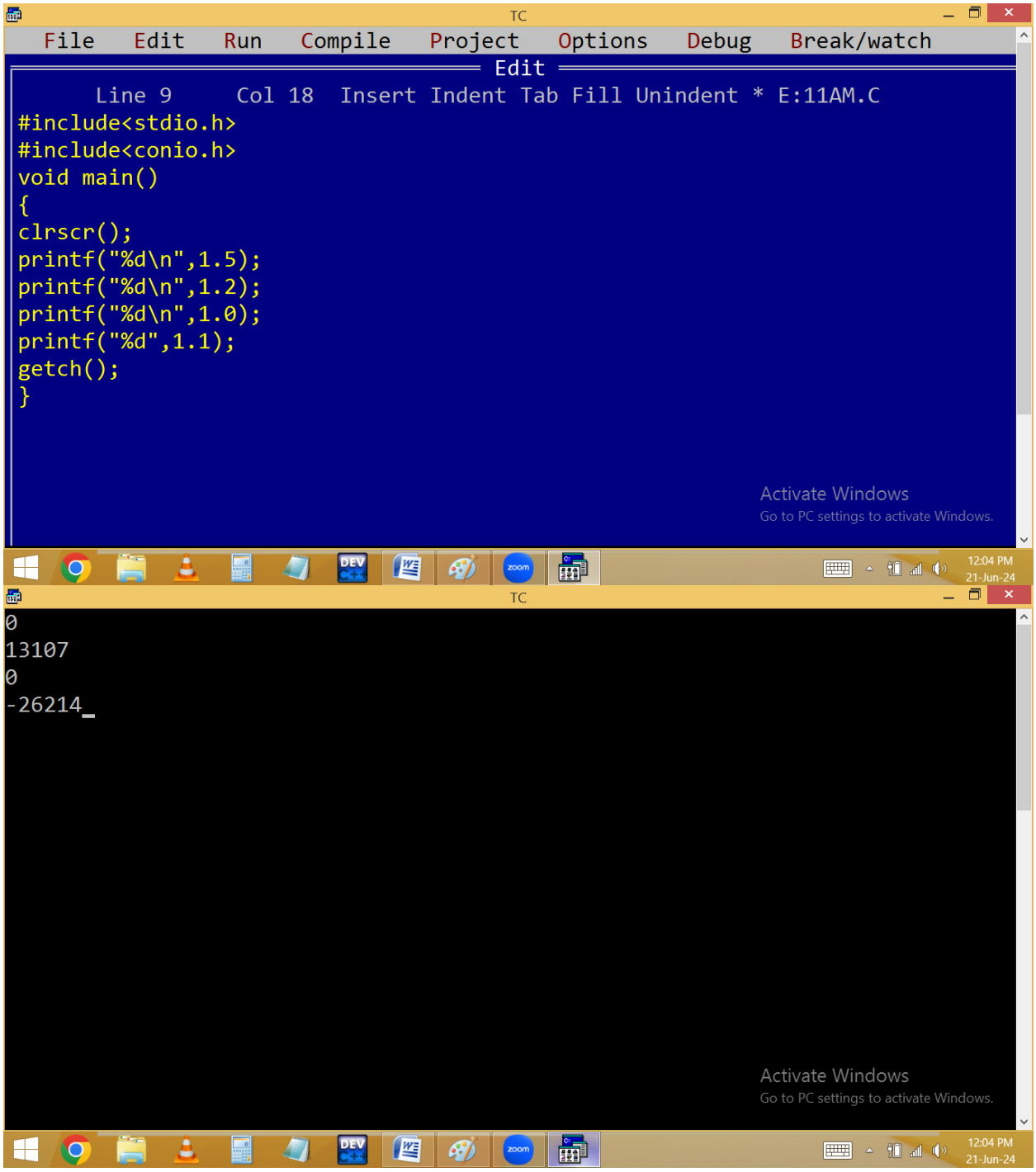


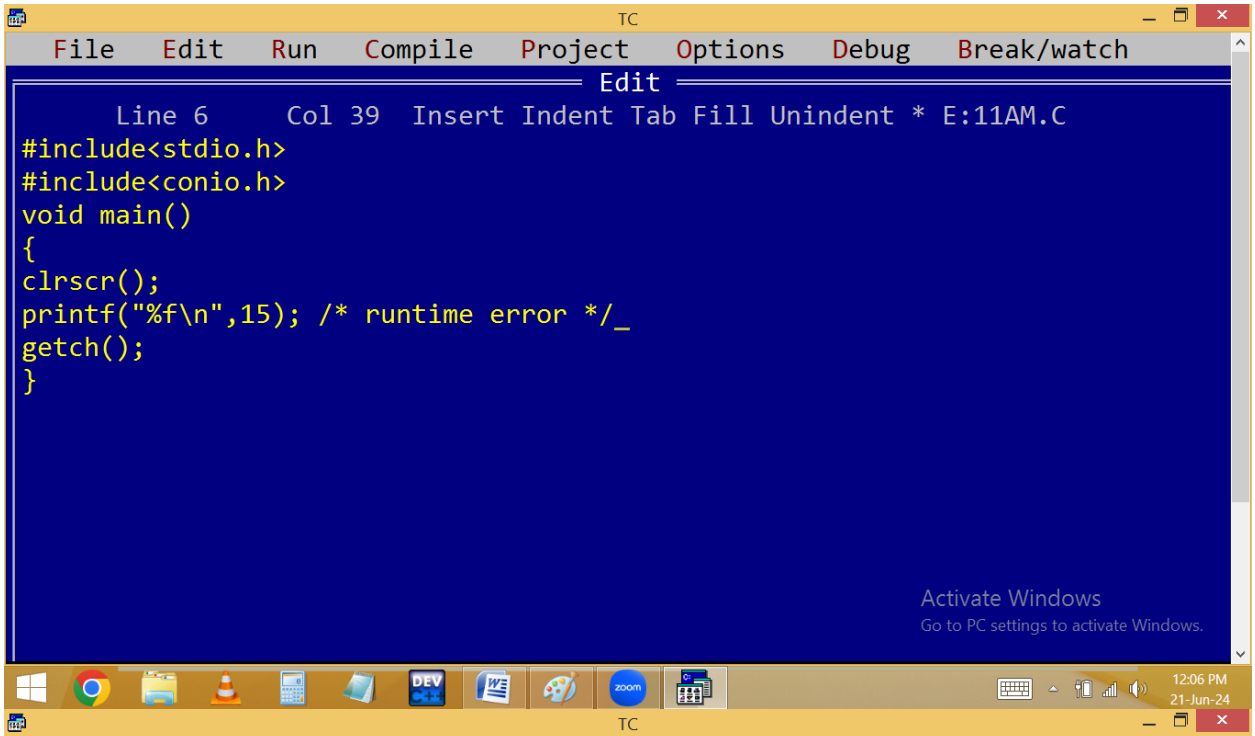

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 7 Col 41 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Secunderabad-Biryani\rHyderabad");
getch();
}
Activate Windows
Go to PC settings to activate Windows.
11:57 AM
21-Jun-24
TC
Hyderabadbad-Biryani
Activate Windows
Go to PC settings to activate Windows.
11:57 AM
21-Jun-24

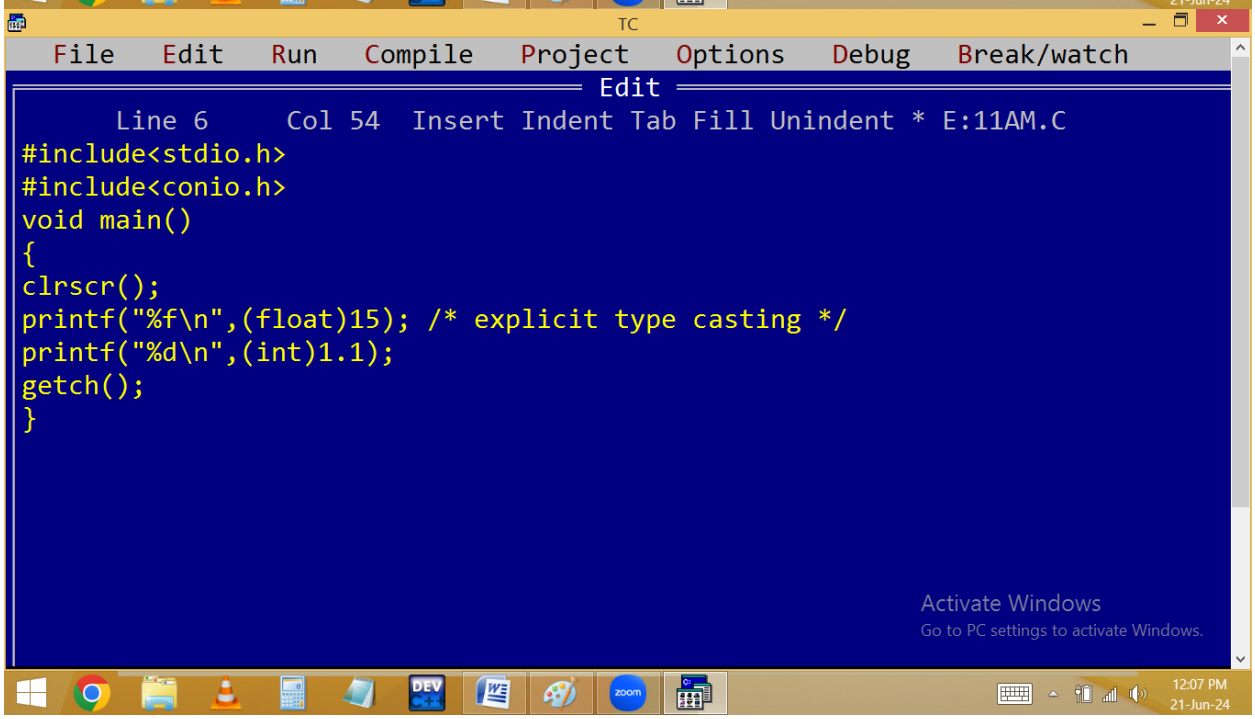
Secunderabad-Biryani

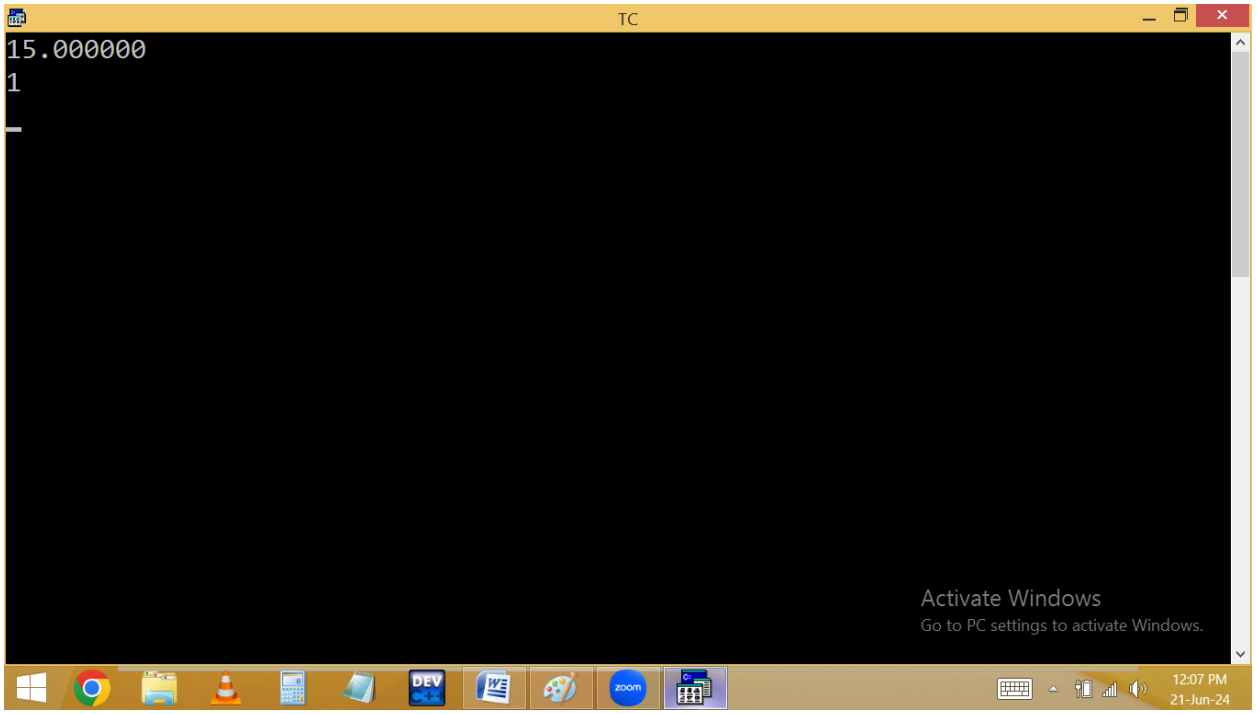


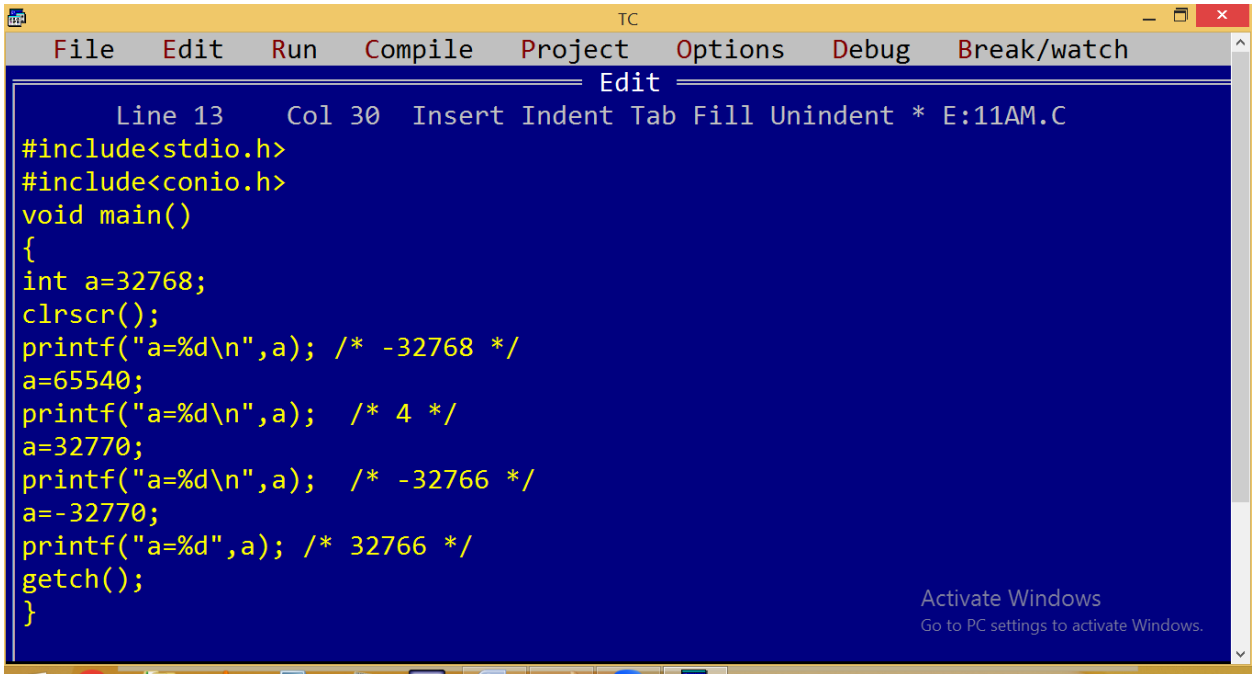
Hyderabad

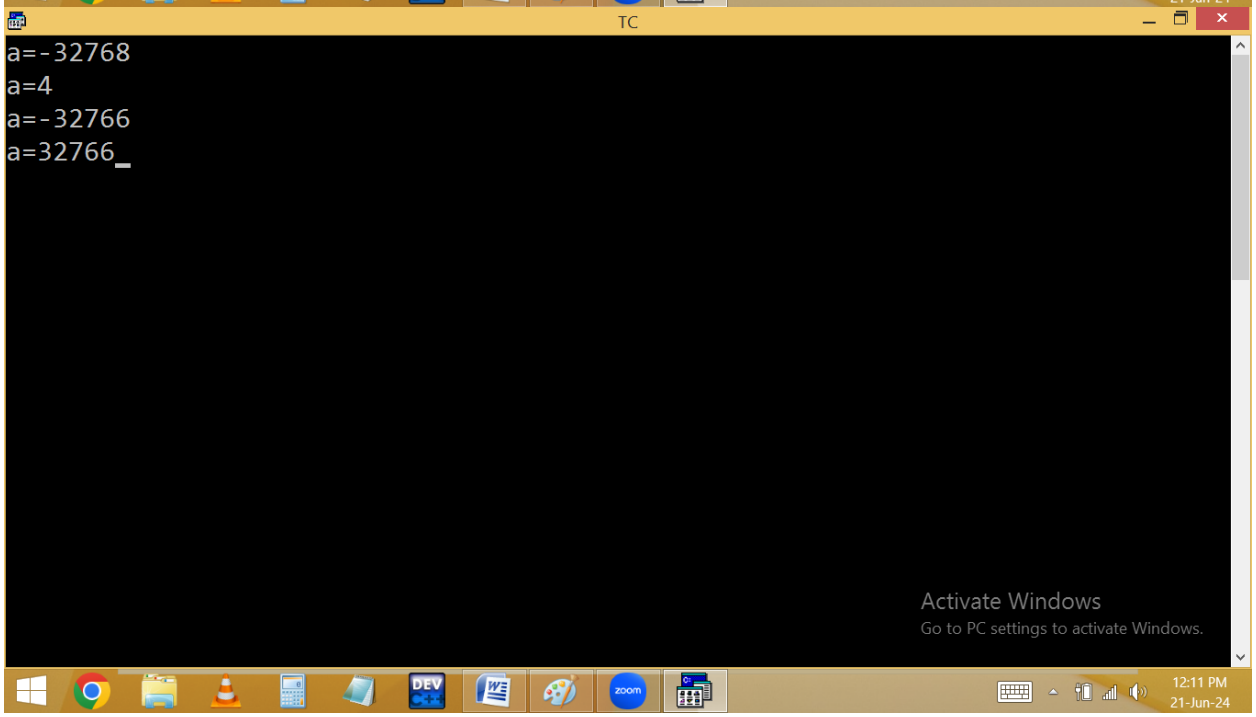

TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 9 Col 18 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",1.5);
printf("%d\n",1.2);
printf("%d\n",1.0);
printf("%d",1.1);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
12:04 PM
21-Jun-24
TC
0
13107
0
-26214
Activate Windows
Go to PC settings to activate Windows.
12:04 PM
21-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 6 Col 39 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n",15); /* runtime error */_
getch();
}
Activate Windows
Go to PC settings to activate Windows.
12:06 PM
21-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 6 Col 54 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n",(float)15); /* explicit type casting */
printf("%d\n",(int)1.1);
getch();
}
Activate Windows
Go to PC settings to activate Windows.
12:07 PM
21-Jun-24

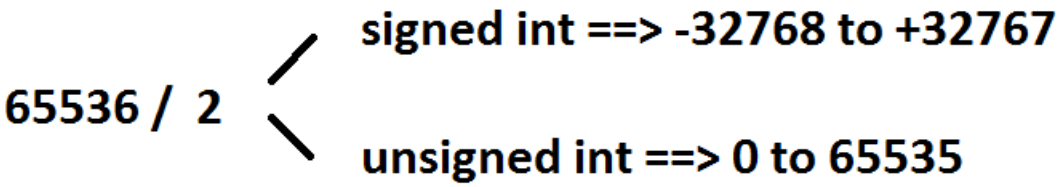

TC
15.000000
1
Activate Windows
Go to PC settings to activate Windows.
12:07 PM
21-Jun-24


TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 13 Col 30 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=32768;
clrscr();
printf("a=%d\n",a); /* -32768 */
a=65540;
printf("a=%d\n",a); /* 4 */
a=32770;
printf("a=%d\n",a); /* -32766 */
a=-32770;
printf("a=%d",a); /* 32766 */
getch();
}
Activate Windows
Go to PC settings to activate Windows.
12:11 PM
21-Jun-24

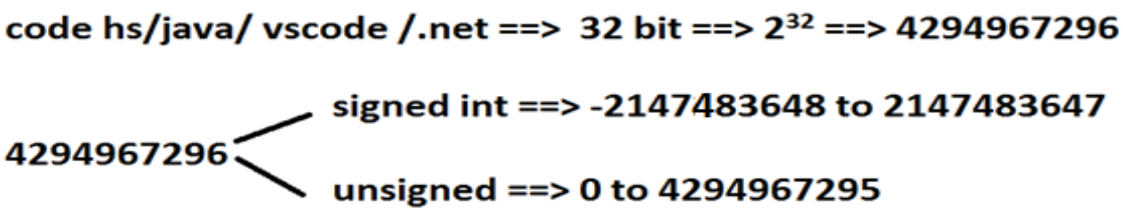

TC
a=-32768
a=4
a=-32766
a=32766
Activate Windows
Go to PC settings to activate Windows.
12:11 PM
21-Jun-24

int cycle:

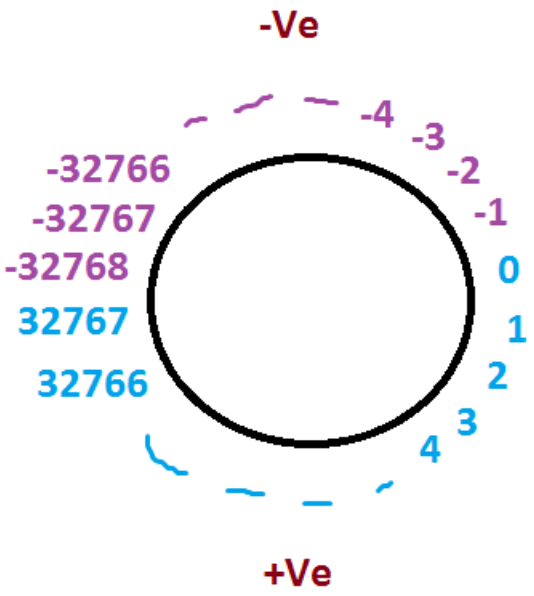
c / c++ - 16 bit compilers ➔ 2^{16} ➔ 65536



java / py / .net – 32 ➔ 2^{32} ➔ 4294967296



signed int cycle

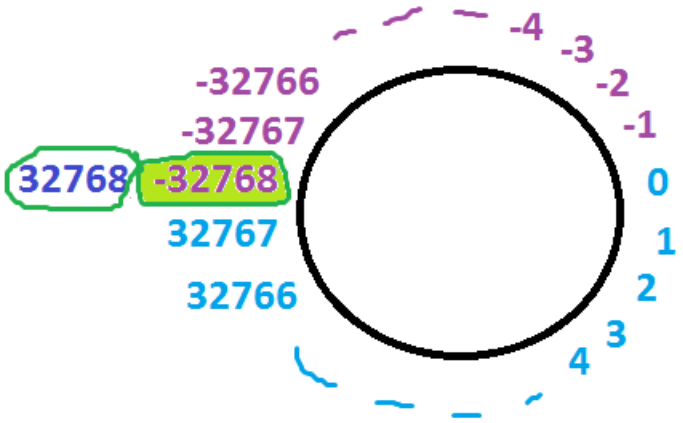


int a=32768;

signed int cycle

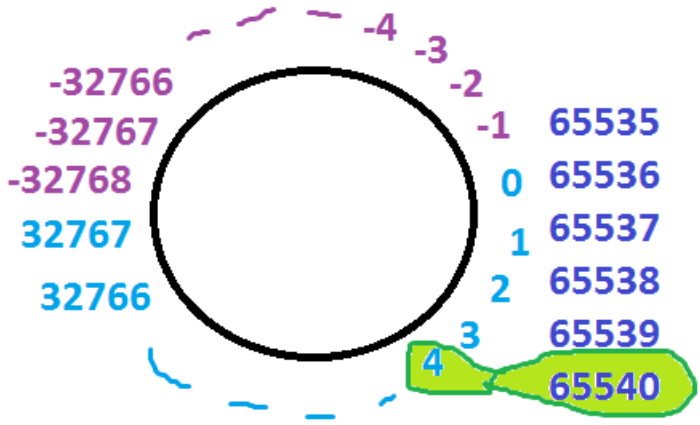
32768
-32768 + 0 = -32768
0

65536
-32768
-32768



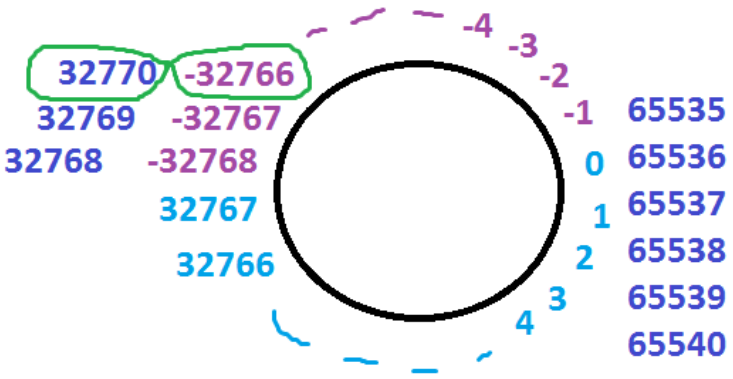
signed int cycle

a=65540
65536
4



signed int cycle

32770
-32768 + 2 = -32766
2

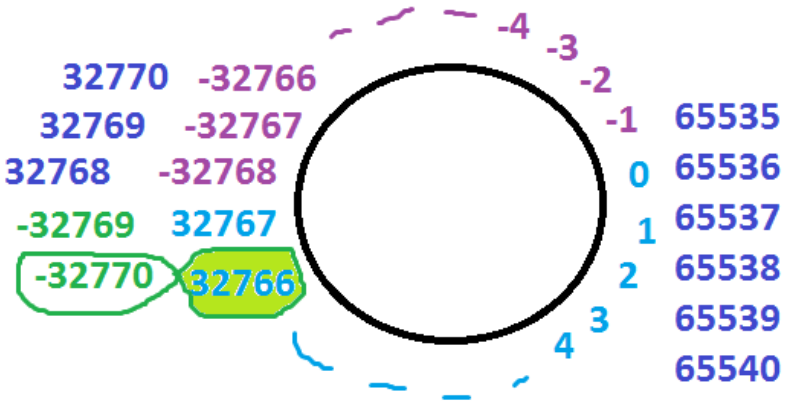


65536
-32770
-32766

signed int cycle

65536
-32770

32766



In codehs / java / vscode / 32 bit compiler

```
#include<stdio.h>
main()
{
	int  a=2147483648;
	printf("a=%d",a);
	}
```