

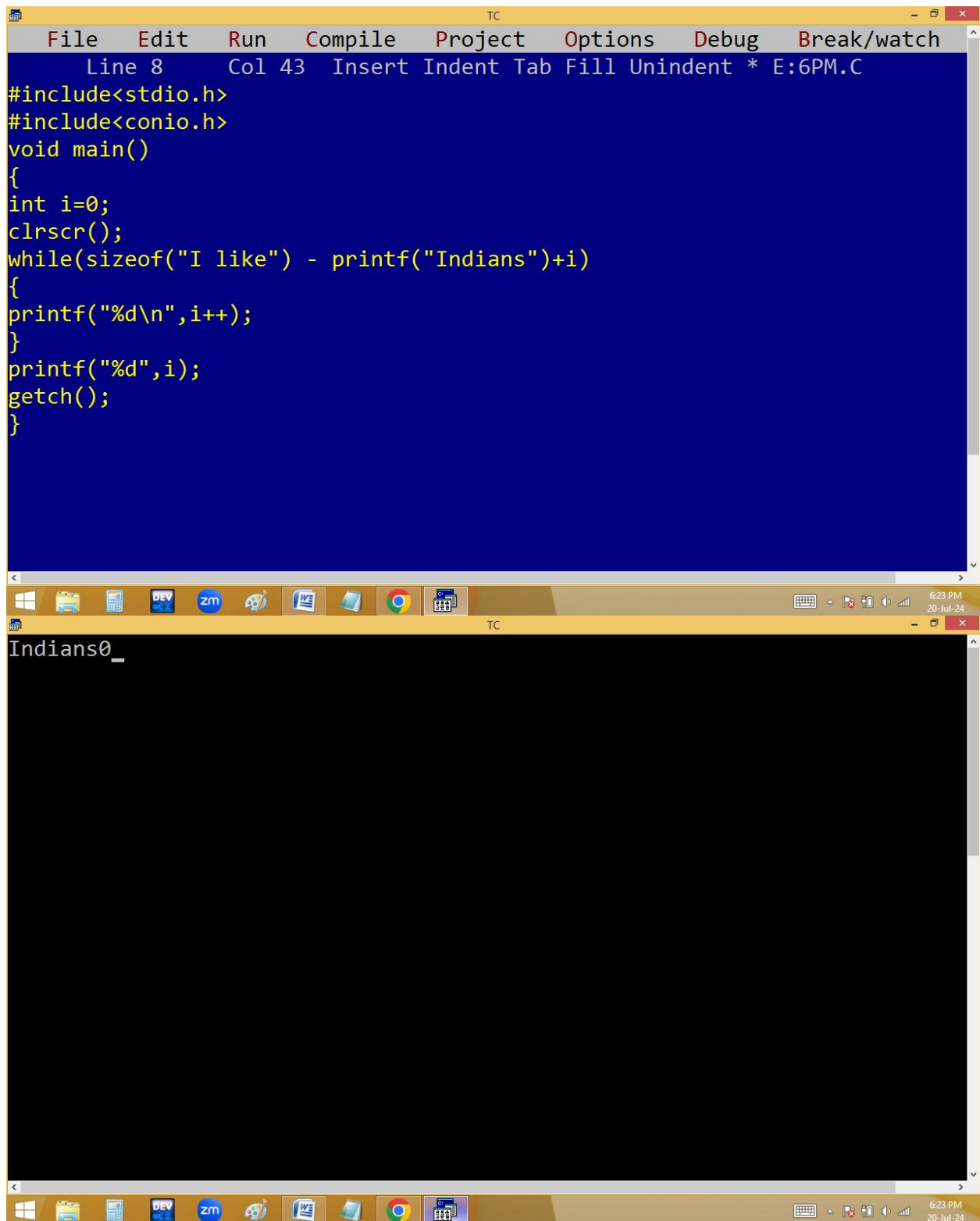
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 7 Col 43 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
while(printf("%d",sizeof(printf("Indian")))-i)
{
printf("%d\n",i++);
}
printf("%d",i);
getch();
}
```

The bottom window shows the output of the program, which is:

```
20
21
```

The IDE interface includes a menu bar at the top with options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom of the output window shows the time as 6:20 PM on 20-Jul-24.

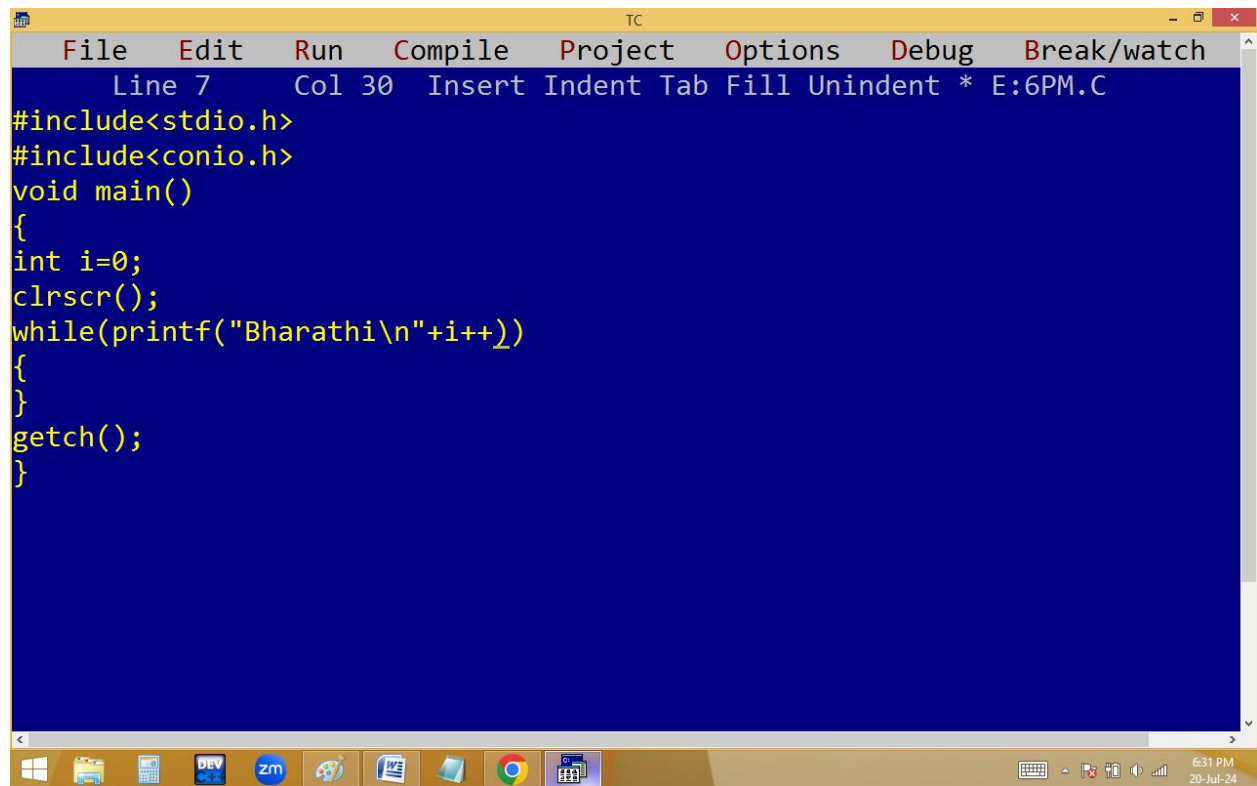


The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the code editor, which has a blue background and yellow text. It contains a C program that includes `<stdio.h>` and `<conio.h>`. The `main` function initializes `i` to 0, clears the screen with `clrscr()`, and enters a `while` loop. The loop condition is `sizeof("I like") - printf("Indians")+i`. Inside the loop, it prints `i` with a newline and increments `i`. After the loop, it prints `i` again and waits for a key press with `getch()`. The status bar at the top of the editor shows "Line 8 Col 43 Insert Indent Tab Fill Unindent * E:6PM.C".


The bottom window is the output console, which has a black background and white text. It displays the output of the program: "Indians0_". The status bar at the bottom of the console shows "TC".

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 43 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
while(sizeof("I like") - printf("Indians")+i)
{
printf("%d\n",i++);
}
printf("%d",i);
getch();
}
```

Indians0_



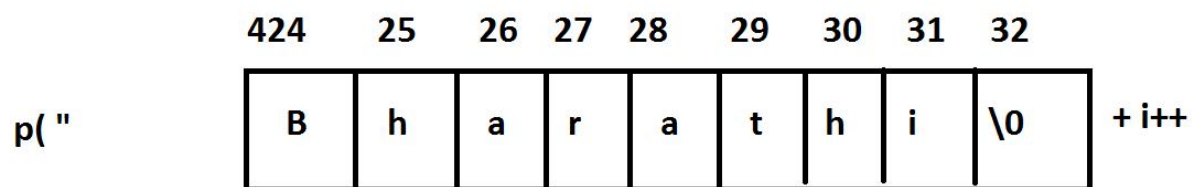
```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 7 Col 30 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
while(printf("Bharathi\n"+i++))
{
}
getch();
}
```



TC

Bharathi
harathi
arathi
rathi
athi
thi
hi
i

6:31 PM
20-Jul-24



```
p(424+1)==> 425 to \0 ==> harathi
p(424+2)==> 426 to \0 ==> arathi
p(424+7)==>431 to \0 ==> i
p(424+8)==>432 to \0 ==> \0 to \0 ==> 0
```

TC

File Edit Run Compile Project Options Debug Break/watch

Error: Do-while statement missing ; in function main

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
do
{
printf("%d\n",i);
}while(i++)
getch();
}

/* Error */
```

TC

File Edit Run Compile Project Options Debug Break/watch

Line 15 Col 11 Insert Indent Tab Fill Unindent * E:6PM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
do
{
printf("%d\n",i);
}while(i++);
printf("%d",++i);
getch();
}

/* 0 2_*/
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Expression syntax in function main
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
for( )
{
printf("%d\n",i++);
}
getch();
}

/* Error */
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Expression syntax in function main
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
for( ; ; ;_)
{
printf("%d\n",i++);
}
getch();
}

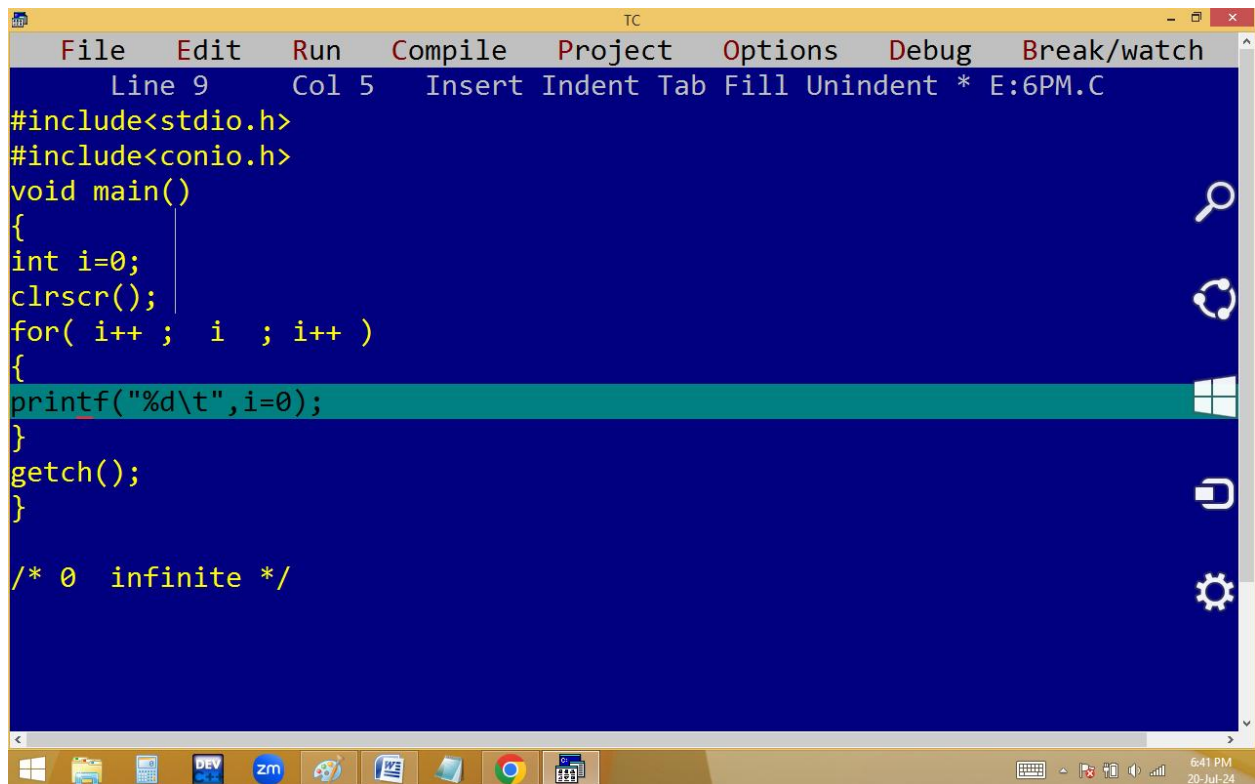
/* Error */
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 13 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
for( ; ; )
{
printf("%d\t",i++);
}
getch();
}

/* 0 to 0 infinite */
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 16 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
for( i++ ; i ; i=5 )
{
printf("%d\t",i);
}
getch();
}

/* 1 5 5 5 5 5 infinite */
```

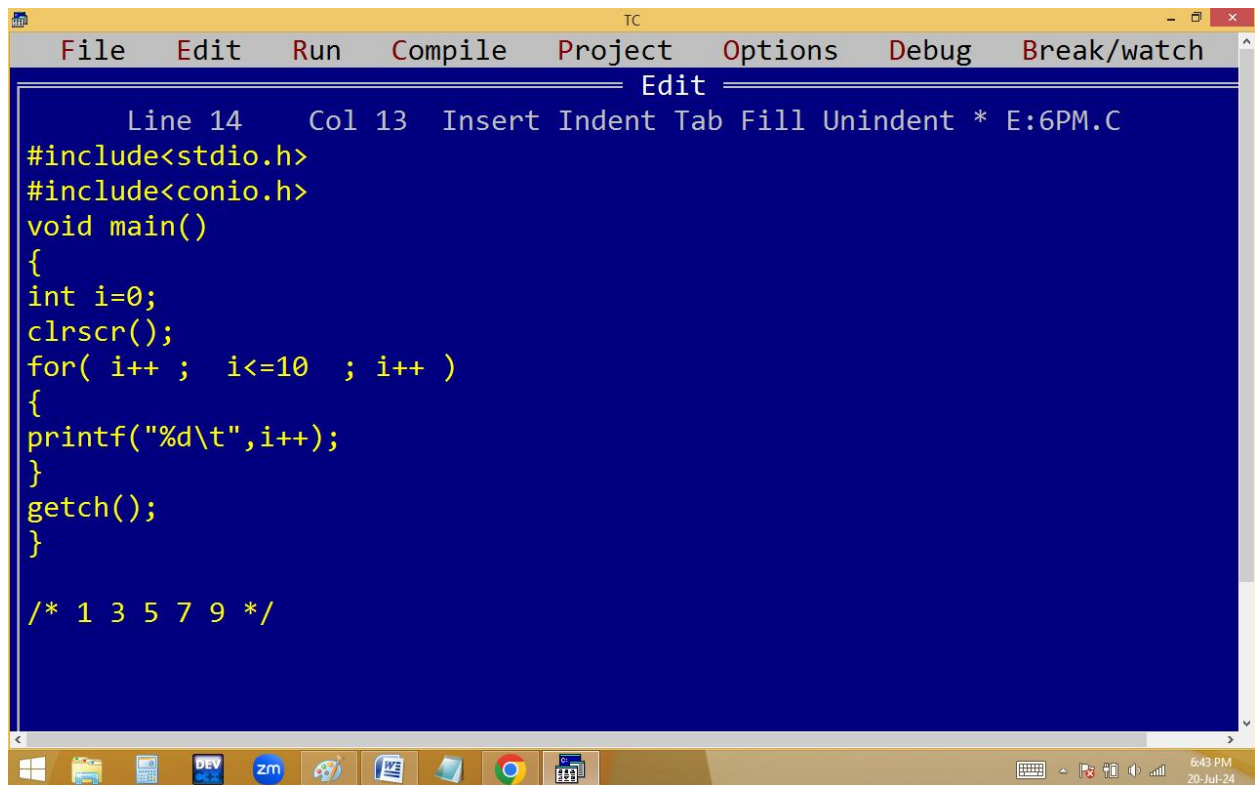



The screenshot shows the Turbo C++ (TC) IDE with a menu bar (File, Edit, Run, Compile, Project, Options, Debug, Break/watch) and a status bar (Line 9, Col 5, Insert, Indent, Tab, Fill, Unindent, * E:6PM.C). The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i=0;
    clrscr();
    for( i++ ; i ; i++ )
    {
        printf("%d\t",i=0);
    }
    getch();
}

/* 0 infinite */
```

The code contains a for loop that increments `i` but does not update the loop condition, resulting in an infinite loop. The `printf` statement is highlighted in green.

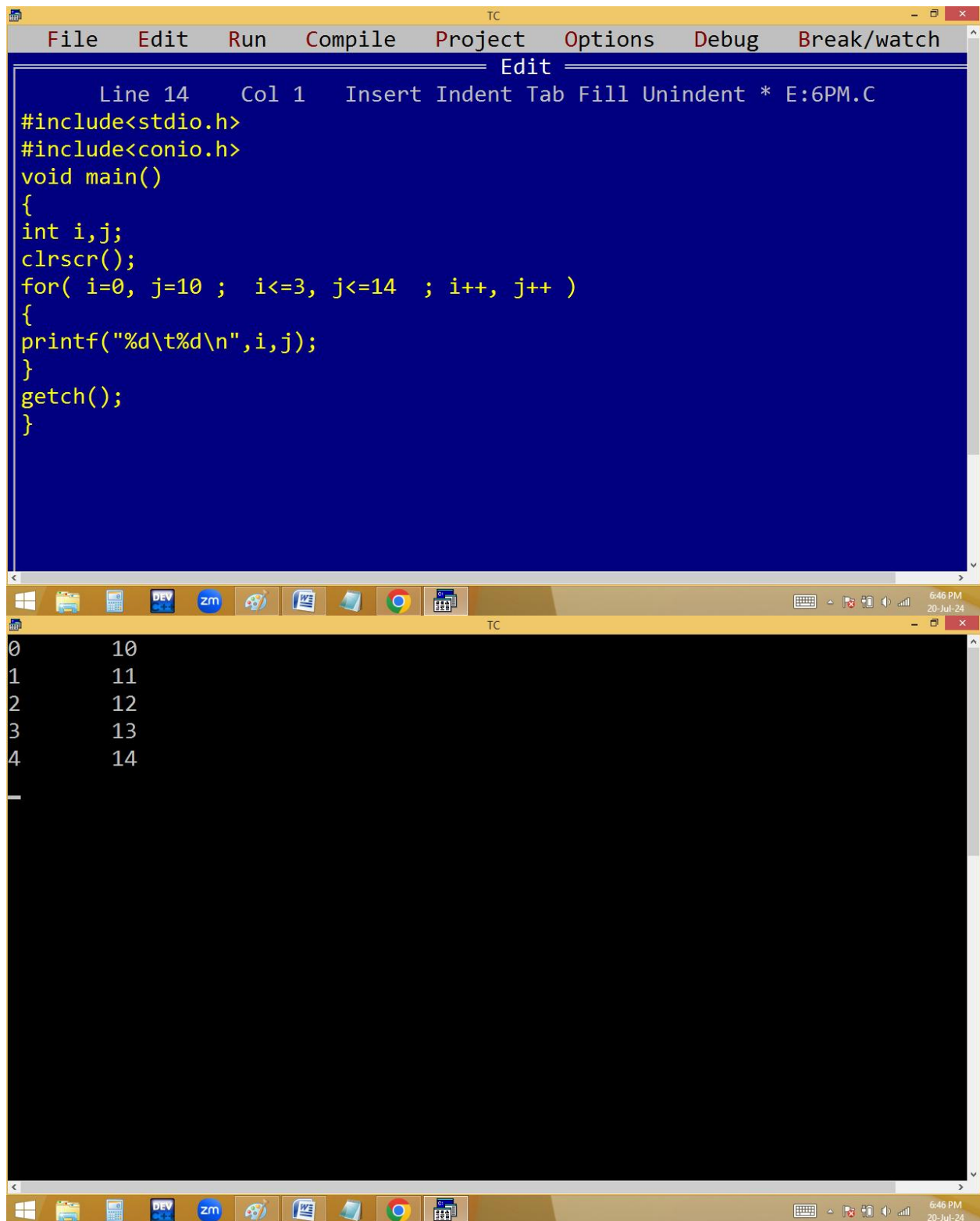


The screenshot shows the Turbo C++ (TC) IDE with a menu bar (File, Edit, Run, Compile, Project, Options, Debug, Break/watch) and a status bar (Line 14, Col 13, Insert, Indent, Tab, Fill, Unindent, * E:6PM.C). The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i=0;
    clrscr();
    for( i++ ; i<=10 ; i++ )
    {
        printf("%d\t",i++);
    }
    getch();
}

/* 1 3 5 7 9 */
```

The code contains a for loop that increments `i` and updates the loop condition to `i <= 10`, resulting in a finite loop. The `printf` statement is highlighted in green.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The program includes `<stdio.h>` and `<conio.h>`, defines a `main` function, declares `int i, j;`, calls `clrscr();`, and uses a `for` loop to print pairs of `i` and `j` values. The loop runs from `i=0` to `i=3` and `j=10` to `j=14`. The bottom window is the 'Output' window, showing the execution results as a list of pairs: (0, 10), (1, 11), (2, 12), (3, 13), and (4, 14). The Windows taskbar at the bottom shows the time as 6:46 PM on 20-Jul-24.

```
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 14 Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i,j;
clrscr();
for( i=0, j=10 ; i<=3, j<=14 ; i++, j++ )
{
printf("%d\t%d\n",i,j);
}
getch();
}
```

0 10
1 11
2 12
3 13
4 14

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The code is as follows:

```
Line 7      Col 30  Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int i,j;
    clrscr();
    for( i=0, j=10 ; j<=14, i<=3_ ; i++, j++ )
    {
        printf("%d\t%d\n",i,j);
    }
    getch();
}
```

The bottom window is the output window, showing the execution results:

```
0      10
1      11
2      12
3      13
```

The output window shows the first four iterations of the loop, where the values of i and j are printed in a tab-separated format. The program appears to be running correctly, and the output matches the expected results for the first four iterations.

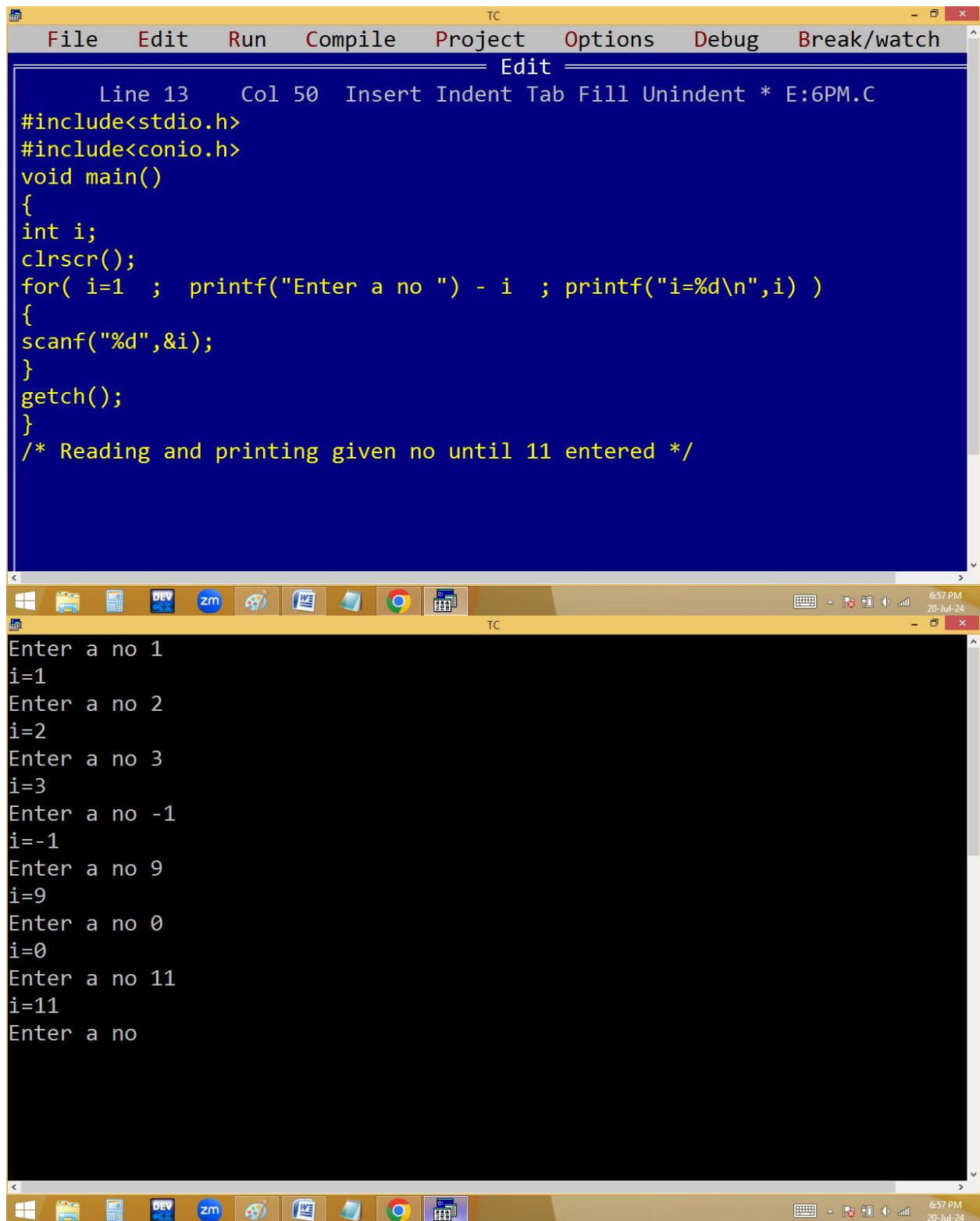
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The status bar at the top indicates 'Line 13 Col 57 Insert Indent Tab Fill Unindent * E:6PM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i;
    clrscr();
    for( ; printf("Enter a no ") ; printf("i=%d\n",i) )
    {
        scanf("%d",&i);
    }
    getch();
}
/* infinite no of times reading and printing given no */
```

The bottom window is the 'TC' console window, showing the output of the program. It displays a series of prompts and user inputs:

```
Enter a no 1
i=1
Enter a no 2
i=2
Enter a no 0
i=0
Enter a no -5
i=-5
Enter a no 11
i=11
Enter a no 3
i=3
Enter a no 6
i=6
Enter a no
```

The console window is currently waiting for the next input. The taskbar at the bottom shows various application icons and the system clock indicating 6:53 PM on 20-Jul-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The bottom window is the 'Output' window, showing the execution results. The Windows taskbar at the bottom indicates the time is 6:57 PM on 20-Jul-24.

TC Edit Window:

```
Line 13 Col 50 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int i;
    clrscr();
    for( i=1 ; printf("Enter a no ") - i ; printf("i=%d\n",i) )
    {
        scanf("%d",&i);
    }
    getch();
}
/* Reading and printing given no until 11 entered */
```

TC Output Window:

```
Enter a no 1
i=1
Enter a no 2
i=2
Enter a no 3
i=3
Enter a no -1
i=-1
Enter a no 9
i=9
Enter a no 0
i=0
Enter a no 11
i=11
Enter a no
```

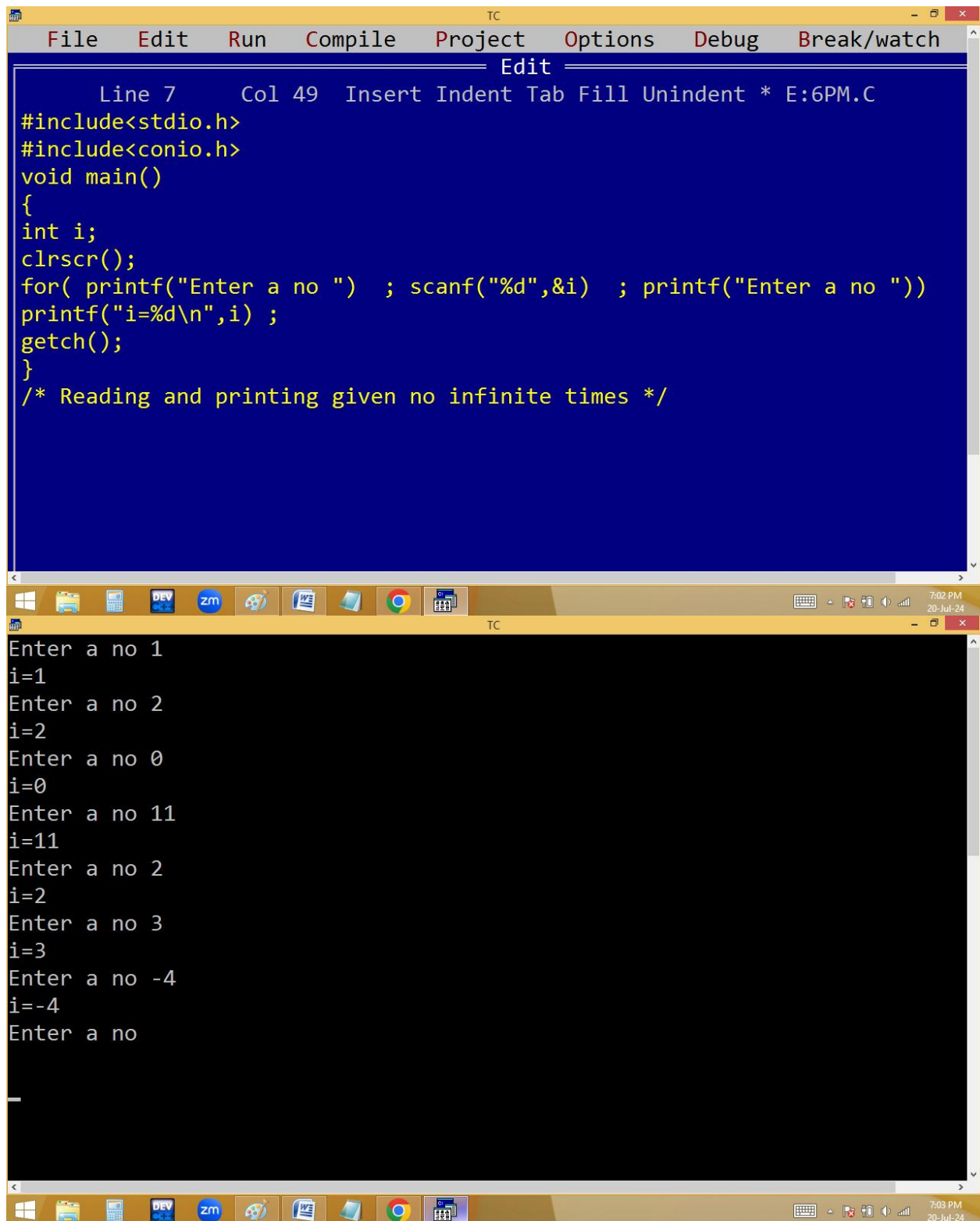
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The status bar at the top indicates 'Line 14 Col 41 Insert Indent Tab Fill Unindent * E:6PM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i;
    clrscr();
    for( i=1 ; i ; printf("i=%d\n",i) )
    {
        printf("Enter a no ");
        scanf("%d",&i);
    }
    getch();
}
/* Reading and printing given no until 0 entered */
```

The bottom window is the 'TC' console window, which shows the output of the program. It displays a series of prompts and user inputs:

```
Enter a no 1
i=1
Enter a no 2
i=2
Enter a no 3
i=3
Enter a no 11
i=11
Enter a no -5
i=-5
Enter a no 0
i=0
```

The console window also shows a blank line at the bottom, indicating the program has terminated. The Windows taskbar at the bottom of the screen shows various icons, including the Start button, taskbar icons for DEV, zm, and other applications, and the system tray on the right showing the time as 6:58 PM and 6:59 PM on 20-Jul-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window, titled 'Edit', displays a C program. The code is as follows:

```
Line 7      Col 49  Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int i;
    clrscr();
    for( printf("Enter a no ") ; scanf("%d",&i) ; printf("Enter a no "))
    printf("i=%d\n",i) ;
    getch();
}
/* Reading and printing given no infinite times */
```

The bottom window, titled 'TC', shows the execution output of the program. It displays a series of prompts and user inputs:

```
Enter a no 1
i=1
Enter a no 2
i=2
Enter a no 0
i=0
Enter a no 11
i=11
Enter a no 2
i=2
Enter a no 3
i=3
Enter a no -4
i=-4
Enter a no
```

The output shows that the program is running in a loop, repeatedly prompting the user for a number and printing it. The user has entered several numbers, including 1, 2, 0, 11, 2, 3, and -4. The program has not yet reached the end of the execution shown in the screenshot.

```
TC
Enter a no 1
i=1
Enter a no 2
i=2
Enter a no 0
i=0
Enter a no 11
i=11
Enter a no 2
i=2
Enter a no 3
i=3
Enter a no -4
i=-4
Enter a no
_
```

```
TC
Enter a no 40000
i=1
Enter a no -40000
i=1
Enter a no 2
i=1
Enter a no 3
i=1
Enter a no 0
i=1
Enter a no 4
i=1
Enter a no
\
_
```


The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 11 Col 9 Insert Indent Tab Fill Unindent * E:6PM.C'. The code in the editor is as follows:

```
Line 11 Col 9 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
for( printf("Enter a no ") ; i-scanf("%d",&i) ; printf("Enter a no "))
printf("i=%d\n",i) ;
getch();
}
/* Until user enters 1 program repeated */
```

The bottom window is the 'TC' window, showing the execution of the program. It displays the following output:

```
Enter a no 0
i=0
Enter a no 2
i=2
Enter a no -1
i=-1
Enter a no 1
```

The taskbar at the bottom of the screen shows various icons, including the Windows logo, a folder, a calculator, a terminal, a ZOOM application, a network icon, a printer, a file explorer, a Google Chrome browser, and a calendar. The system clock in the bottom right corner indicates the time is 7:09 PM on 20-Jul-24.

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window, titled "TC", is in "Edit" mode and displays a C program. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates "Line 13 Col 15 Insert Indent Tab Fill Unindent * E:6PM.C". The code in the editor is as follows:

```
#include<conio.h>
void main()
{
    int i,j;
    clrscr();
    for(i=1;i<=10;i++)
    {
        for(j=1;j<=10;j++)
        {
            if(i>j)break;
            printf("%3d",j);
        }
        printf("\n");
    }
    getch();
}
```

The bottom window, also titled "TC", shows the output of the program. The first line of output is "1 2 3 4 5 6 7 8 9 10", with each number separated by a space. The rest of the window is black, indicating that the program has finished execution and the screen has been cleared.

```
TC
File Edit Run Compile Project Options Debug Break/watch
Edit
Line 1 Col 7 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i,j;
clrscr();
for(i=1;i<=10;i++)
{
for(j=1;j<=10;j++)
{
if(j>i)break;
printf("%3d",j);
}
printf("\n");
}
getch();
}
```

TC

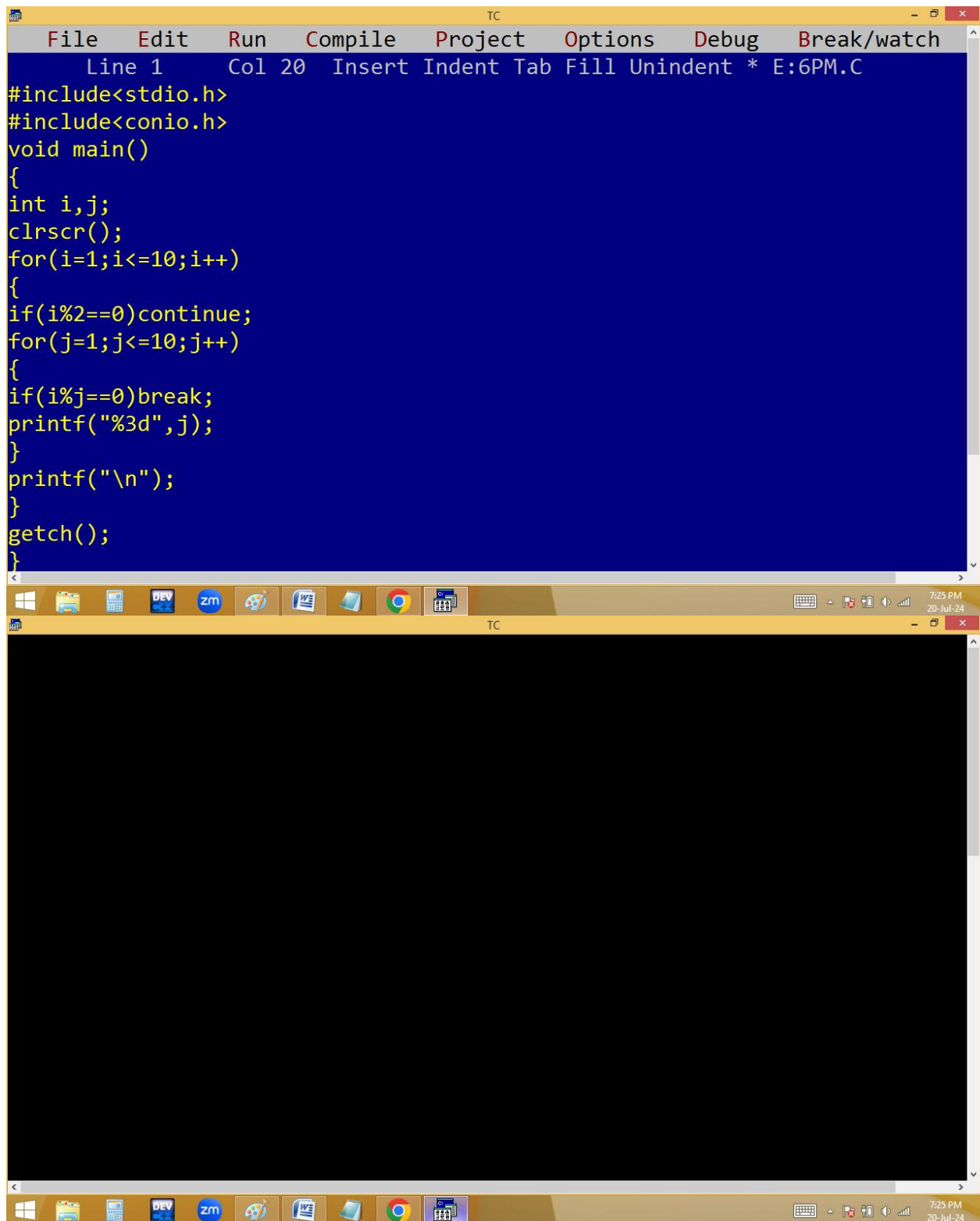
```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8 9
1 2 3 4 5 6 7 8 9 10
```

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the 'Edit' window, displaying a C program. The code is as follows:

```
Line 11 Col 19 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
    int i,j;
    clrscr();
    for(i=1;i<=10;i++)
    {
        for(j=1;j<=10;j++)
        {
            if(i%j==0)continue;
            printf("%3d",j);
        }
        printf("\n");
    }
    getch();
}
```

The bottom window is the 'Output' window, showing the execution results. The output is a 10x10 grid of numbers, where each row contains the multiples of the row index, skipping the row index itself. For example, the first row contains 2 through 10, the second row contains 3 through 10, and so on, with the last row containing 4 through 9.

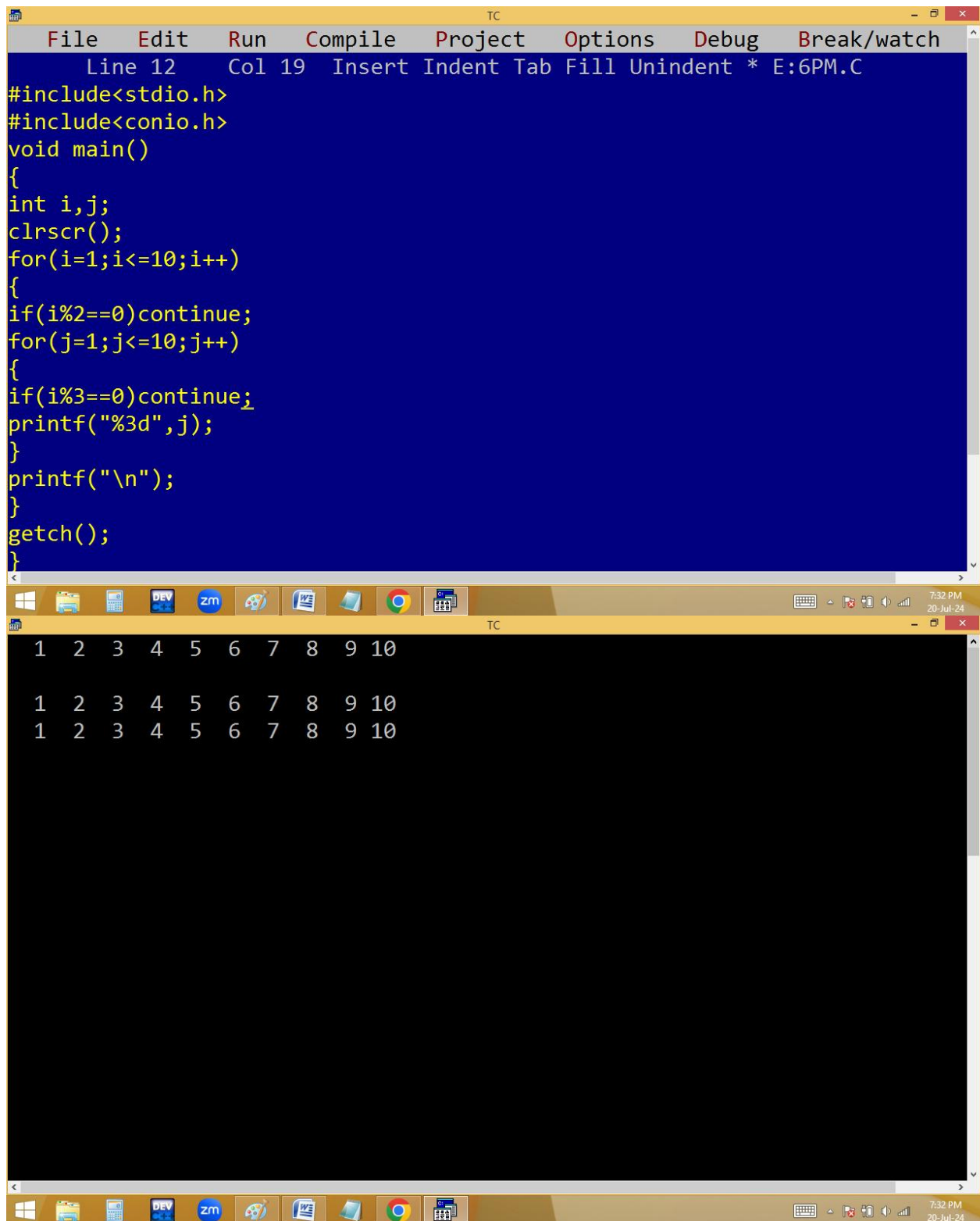
```
2 3 4 5 6 7 8 9 10
3 4 5 6 7 8 9 10
2 4 5 6 7 8 9 10
3 5 6 7 8 9 10
2 3 4 6 7 8 9 10
4 5 7 8 9 10
2 3 4 5 6 8 9 10
3 5 6 7 9 10
2 4 5 6 7 8 10
3 4 6 7 8 9
```



The image shows a screenshot of a Turbo C++ (TC) IDE. The top window, titled 'TC', contains a C program. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom of the window shows 'Line 1', 'Col 20', and 'Insert Indent Tab Fill Unindent * E:6PM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i,j;
    clrscr();
    for(i=1;i<=10;i++)
    {
        if(i%2==0)continue;
        for(j=1;j<=10;j++)
        {
            if(i*j==0)break;
            printf("%3d",j);
        }
        printf("\n");
    }
    getch();
}
```

The bottom window, also titled 'TC', is a black console window showing the output of the program. The Windows taskbar at the bottom of the screen displays various icons, including the Start button, File Explorer, DEV C++, ZOOM, and other applications. The system clock in the bottom right corner indicates the time is 7:25 PM on 20-Jul-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 19 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int i,j;
clrscr();
for(i=1;i<=10;i++)
{
if(i%2==0)continue;
for(j=1;j<=10;j++)
{
if(i%3==0)continue;
printf("%3d",j);
}
printf("\n");
}
getch();
}
```

The bottom window shows the output of the program, which consists of three lines of numbers:

```
1 2 3 4 5 6 7 8 9 10
1 2 3 4 5 6 7 8 9 10
1 2 3 4 5 6 7 8 9 10
```

The output is displayed on a black background with white text. The first line shows numbers 1 through 10. The second line shows numbers 1 through 10. The third line shows numbers 1 through 10. The numbers are separated by spaces.

