```
_ 🗆 ×
File Edit Run Compile Project Options Debug Break/watch
    Line 10 Col 32 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");
printf("\n");
getch();
Enter how many rows
              10
```

```
_ 🗆
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
while(!kbhit())
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++) {textcolor(random(16));cprintf("*");}</pre>
printf("\n");
_____ ^ ▼ 1 () all 02:3
    △ 🔭 🕦 (b) and 02:37 PM
```

```
Insert Indent Tab Fill Unindent * E:2PM.C
     Line 17 Col 1
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
while(!kbhit())
for(r=1;r<=n;r++)
{textcolor(random(16));
for(s=1;s<=n-r;s++)cprintf(" ");</pre>
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
_____ ^ ⅓ † ↑ ad 22:
      ****
    *****
 ******
○ 02:38 PM (a) all 29-Aug-25
```

```
_ 🗆
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
while(!kbhit())
{textcolor(random(16));
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
^ 🔯 🗓 🕩 all 02:
```

```
_ 🗆 🗅
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
while(!kbhit())
{textcolor(LIGHTRED);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
02:40 PM 02:40 PM 29-Aug-25
```

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
while(!kbhit())
{textcolor(LIGHTRED);
for(r=n;r>=1;r--)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
```

```
_ 🗆
#include<stdio.h> #include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
for(r=n-1;r>=1;r--)
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
getch();}
                                                    0243 Pm
29 Aug-25
— □ ×
Enter how many rows 4
 ***
****
 ***
```

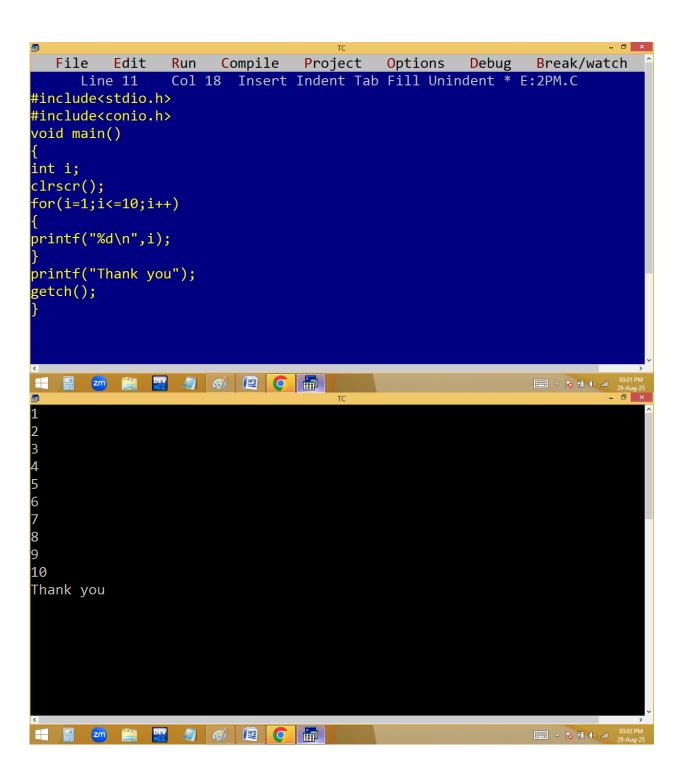
```
_ 🗇 ×
#include<stdio.h> #include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)if(c==1||c==r)printf("* ");else printf(" ");
printf("\n");
for(r=n-1;r>=1;r--)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)if(c==1||c==r)printf("* ");else printf(" ");
printf("\n");
getch():}
          _____ ^ \inv ↑ \i
Enter how many rows
 _____ ^ (1) (1) and 02:46 P
```

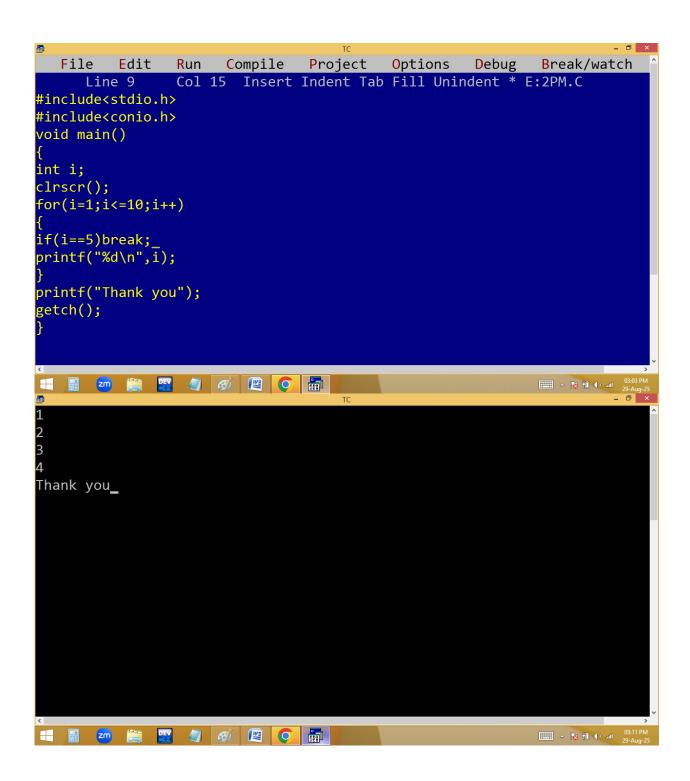
```
_ 🗇 ×
#include<stdio.h> #include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=n;r>=1;r--)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)printf("*");
printf("\n");
for(r=2;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++)printf("*");
printf("\n");
getch():}
Enter how many rows 5
29-Aug-
```

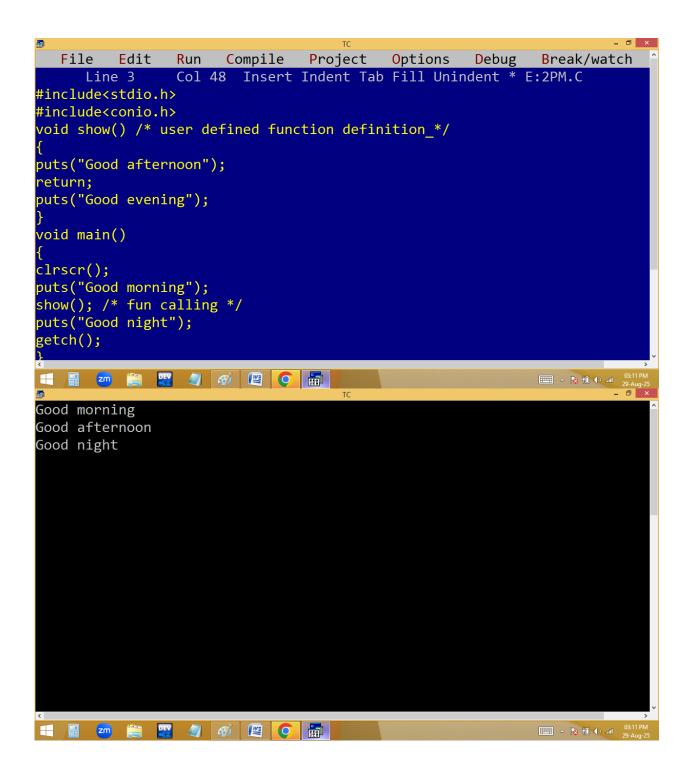
```
File Edit
               Run
                     Compile Project Options Debug
                                                        Break/watch
               Col 30 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int n,r,c,s; clrscr();
printf("Enter how many rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf("
for(c=1;c<=r;c++)printf("%3d",c);
for(c=r-1;c>=1;c--)printf("%3d",c);
printf("\n");
getch();
Enter how many rows
                                1
                                2
                             1
                                  1
                          1
                             2
                                3
                                   2
                                     1
                                  3
                          2
                             3
                                4
                                     2 1
                        1
                     1
                        2
                          3
                             4
                                5
                                   4
                                        2
                                           1
                    2
                        3
                          4
                             5
                                6
                                   5
                                     4 3
                  1
                                           2
                                             1
               1
                  2
                     3
                        4
                          5
                             6
                                   6
                                     5
                                        4
                                           3
                                              2
                                                1
               2
                    4
                          6
                                8
                                      6
                                        5
                                           4
                                             3 2
            1
                                                   1
            2
               3
                 4 5
                        6
                             8
                                9
                                   8
                                        6
                                           5 4 3
                                                    2 1
            3
               4
                  5
                     6
                          8
                                      8
                                           6
                                              5
          2
                             9 10
                                  9
                                                4
                                                   3 2 1
       1
      2
            4
               5
                  6
                        8
                          9 10 11 10
                                     9
                                        8
                                              6
                                                 5
                                                   4
                                                      3
                                                         2 1
    2
      3
            5
               6
                     8
                       9 10 11 12 11 10
                                        9
                                           8
                                                 6
                                                   5
                                                      4
                                                         3 2
          4
                  7
                                                              1
△ 😼 📆 (b) and 02:56 P
 for(r=1;r<=4;r++)
 for(s=1;s<=n-r;s++)p(" ");
                                                              321
 for(c=1;c<=r;c++)p(c);
 for(c=r-1;c>=1;c--)p(c);
```

break:

It is a keyword used within switch/loop to stop the execution. When break is occurred, the program execution jumped to the first statement after the switch or loop.







```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void show() /* user defined function definition */
puts("Good afternoon");
exit(0);
puts("Good evening");
void main()
clrscr();
puts("Good morning");
show(); /* fun calling */
puts("Good night");
getch();
_____ ^ ¶ ¶ ( ) ail 03:14 P
Good morning
Good afternoon
△ 🔯 🕆 🕬 📶 03:15 PM
```

| break | exit() | return |
|--------------------------|----------------------------------|---------------------------|
| Keyword | Function | Keyword |
| Header file not required | stdlib.h / process.h required | Header file not required |
| Terminates switch / loop | Terminates total program | Closes that function only |
| Should be used within | Used any where | Used any where |

| switch/loop | |
|----------------------|--|
| CMUTCH /IOON | |
| SWIICII/ICICI | |
| Stricelly loop | |
| | |

continue: It is a keyword used within loops only. When continue occurred, the program execution jumped to loop ending and later to the beginning. Due to this the remaining statements in that loop are skipped.

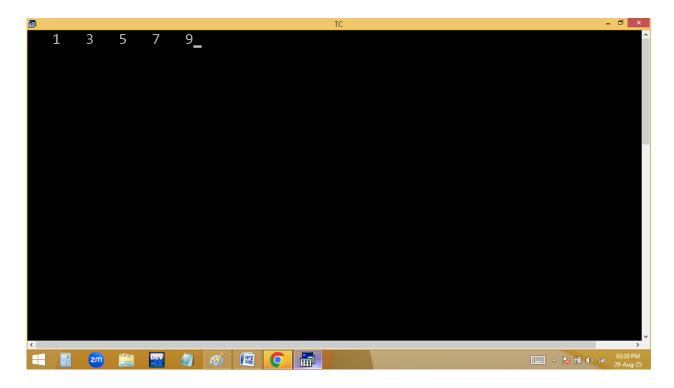
```
File Edit
               Run Compile Project Options Debug Break/watch
               Col 24 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 9
#include<stdio.h>
#include<conio.h>
void main()
int i;
clrscr();
for(i=1;i<=10;i++)
if(i==2||i==7)continue;
printf("%4d",i);
getch();
     △ 🔯 📆 🕪 and 03:19 PM
                        9 10_
```

△ 😼 📆 (b) and 03:19 PM

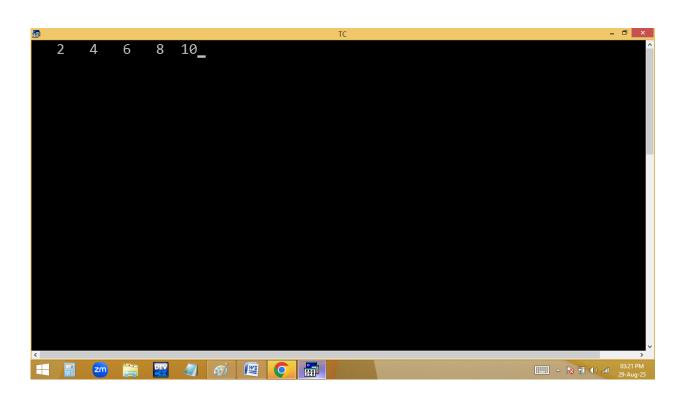
Printing 1..10 odd no's using continue:

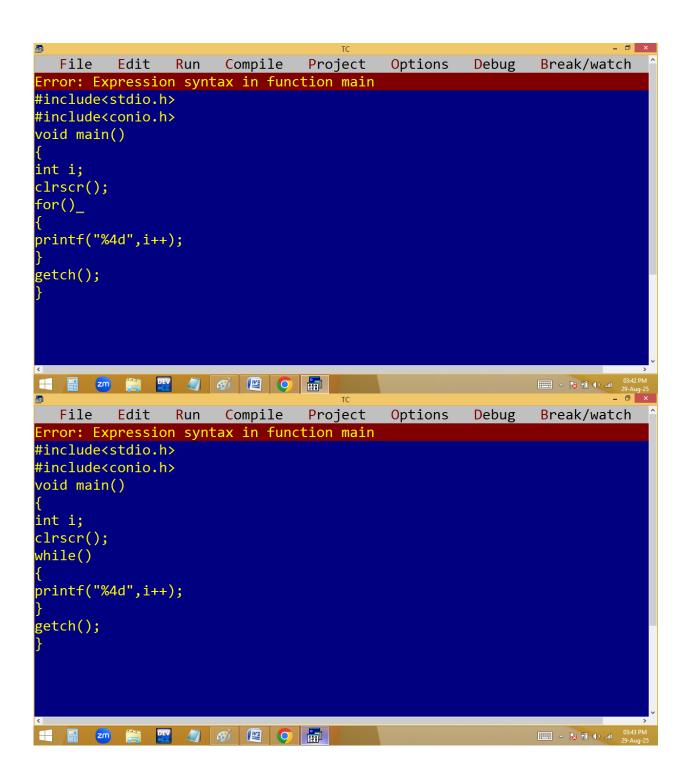
```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 10 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int i;
clrscr();
for(i=1;i<=10;i++)
{
if(i%2==0)continue;
printf("%4d",i);
}
getch();
}
```



Even no's:





```
File Edit Run Compile Project Options Debug Break/watch
              Col 13 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 7
#include<stdio.h>
#include<conio.h>
void main()
int i=0;
clrscr();
while(1)
printf("%d\t",i++);
getch();
/* 0 1 2 3 ....32767 -32768 -32767...-1 0 1 2 3 infinite times */
File Edit Run Compile Project Options Debug Break/watch
              Col 16 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 13
#include<stdio.h>
#include<conio.h>
void main()
int i=0;
clrscr();
while(i++)
printf("%d\t",i);
getch();
/* Blank screen */
□□□□ △ 😿 📆 (b) and 29-Au
```

```
File Edit Run Compile Project Options Debug Break/watch
                      Insert Indent Tab Fill Unindent * E:2PM.C
               Col 5
     Line 13
#include<stdio.h>
#include<conio.h>
void main()
int i=0;
clrscr();
while(i++);
printf("%d\t",i);
getch();
/* 1 */
  🚆 📶 🚆 🐠 🐠 🍱 🕥
                                                     ____ ^ ™ (1) all 03:4
  File Edit Run
                    Compile Project Options Debug Break/watch
             Col 10 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int i=0;
clrscr();
while(++i);
printf("%d\t",i);
getch();
/* 1 */
□□□□ △ 🔯 🗓 🕪 📶 29-△
```

```
File Edit Run Compile Project Options Debug Break/watch
Line 7 Col 14 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int i=0;
clrscr();
while(i<=5)
{
printf("%d\t",i);
}
getch();
}
/* 0 infinite */
```