```
Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
    Line 18
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
while(!kbhit())
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=2*r-1;c++){textcolor(random(16));cprintf("*");}</pre>
printf("\n");
_____ ^ ▼ () †1 all 9:2
        9:23 AM
```

```
- - >
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
while(!kbhit())
for(r=1;r<=n;r++)
textcolor(random(16));
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
9:24 A
     ****
  9:25 AM
```

```
_ 🗆 >
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of 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");
△ 😼 (I) 🛅 and 9:25
  9:25 AM 10-Aug-24
```

```
_ 🗆 ⊃
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of 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");
9:26 AM
10-Aug-24
— □
        9:27 AM
10-Aug-24
```

```
_ 🗆 🤈
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of 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");
_____ ^ (v) 10 at 10-4
                                                 9:29 AM
```

#include<stdio.h>

#include<conio.h>

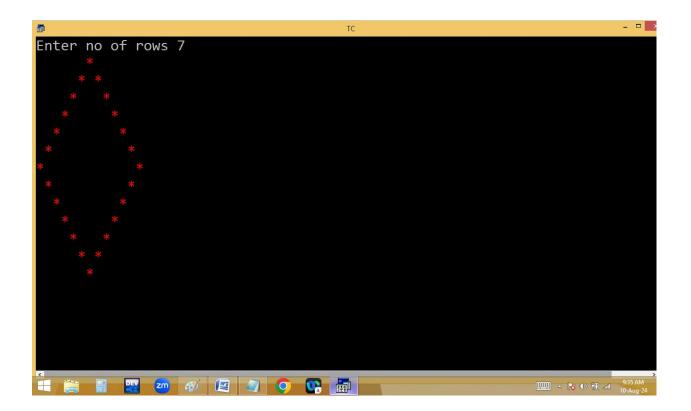
#include<stdlib.h>

```
void main()
{
int n, r,c,s;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
textcolor(LIGHTRED);
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)cprintf(" ");</pre>
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(" ");</pre>
for(c=1;c<=2*r-1;c++)cprintf("*");
printf("\n");
getch();
}
```

```
#include<stdlo.n>
#include<conio.h>
#include<stdlib.h>

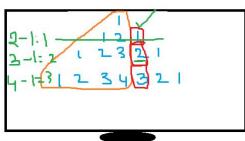
void main()
{
  int n, r,c,s;
  clrscr();
  printf("Enter no of rows "); scanf("%d",&n);
  textcolor(LIGHTRED);
```

```
for(r=1;r<=n;r++)
{
for(s=1;s<=n-r;s++)cprintf(" ");
for(c=1;c<=2*r-1;c++)if(c==1||c==r)cprintf("*");else
printf(" ");
printf("\n");
}
for(r=n-1;r>=1;r--)
{
for(s=1;s<=n-r;s++)cprintf(" ");</pre>
for(c=1;c<=2*r-1;c++)if(c==1||c==r)cprintf("*");else
printf(" ");
printf("\n");
getch();
}
```



```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");</pre>
for(c=1;c<=r;c++)printf("%3d",c);</pre>
for(c=r-1;c>=1;c--)printf("%3d",c);
printf("\n");
getch();
         Enter no of rows 12
                             1
                             2 1
                           1
                        1
                           2
                             3
                               2
                                  1
                        2
                           3
                             4
                               3 2 1
                      1
                   1
                      2
                        3
                           4
                               4
                                  3 2 1
                     3
                        4
                           5
                             6
                                5 4
                                    3
                1
                   2
                                       2
                                          1
                     4
                2
                   3
                        5
                           6
                                6 5 4
                                       3
                                         2 1
              1
           1 2
                3
                   4
                        6
                             8
                                  6
                                       4
                                          3 2
                                               1
                      6
                                       5
         1
           2
              3
                4
                   5
                           8
                             9
                                8
                                     6
                                          4
                                            3
                                              2 1
                        8 9 10
                                       6
      1
         2
           3
              4
                5
                   6
                               9
                                  8
                                          5
                                            4
                                               3 2 1
                                             5
      2
         3
           4
              5
                6
                      8 9 10 11 10
                                  9
                                     8
                                          6
                                               4
                                                 3 2 1
    1
 1 2
      3
         4
           5
             6 7
                   8 9 10 11 12 11 10 9
                                       8
                                             6
                                               5 4 3 2 1
9:43 AM
10-Aug-24
```

```
for( r=1; r<=4;r++ )
{
  for(s=1;s<=n-r;s++)p(" ");
  for(c=1;c<=r;c++)p(c);
  for( c=r-1;c>=1;c--)p(c);
  p("\n");
}
```



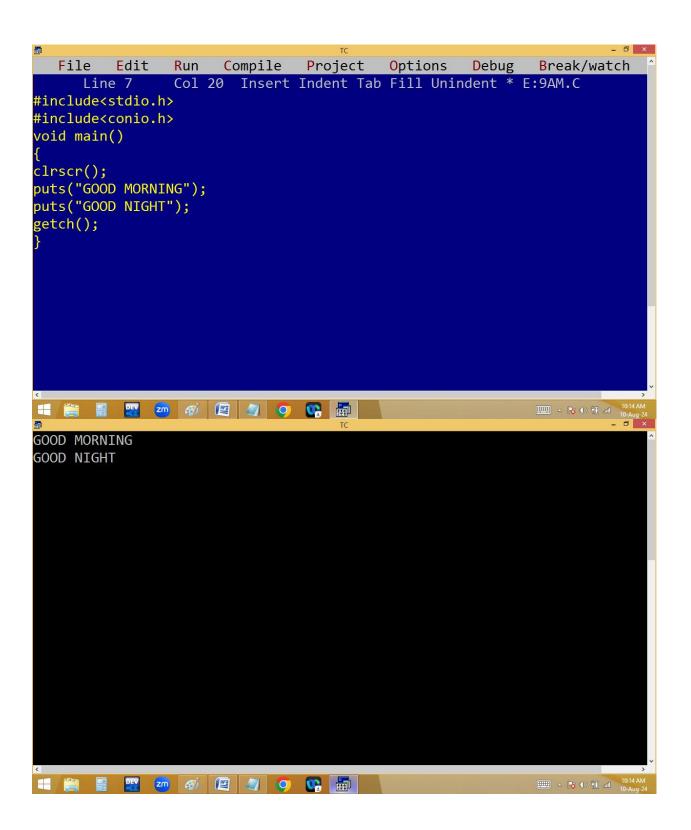
```
_ 0 ×
  File Edit
              Run
                  Compile Project Options Debug Break/watch
              Col 43 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 14
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void main()
int n, r,c,s,a;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(a=r, s=1;s<=n-r;s++)printf(" ");
for(c=1;c<=r;c++)printf("%3d",a++);</pre>
for(a=a-2, c=r-1;c>=1;c--)printf("%3d",a--);
printf("\n");
getch();
Enter no of rows 5
           1
           3 2
         2
        4 5 4 3
      3
    4 5
        6
             6 5 4
    6
        8 9 8 7 6 5
9:51 AM
```

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,s,a;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(a=n, s=1;s<=n-r;s++)printf(" ");</pre>
for(c=1;c<=r;c++)printf("%3d",a++);</pre>
for(a=a-2, c=r-1;c>=1;c--)printf("%3d",a--);
printf("\n");
getch();
9:54 AM
10-Aug-
Enter no of rows 5
            5
         5
         6 7 6 5
       5
      6 7 8 7 6 5
    6
         8 9 8 7 6 5
 5
____ △ 🔯 (I) 🛍 and 9:54 AM 10-Aug-24
```

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int n, r,c,s,a;
clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=0;r<n;r++)
for(s=1;s<n-r;s++)printf(" ");</pre>
for(c=0;c<=r;c++)
if(c==0||c==r)a=1; else a=a*(r-c+1)/c;
printf("%4d",a);
printf("\n");
getch();
____ ^ (v) 10 all 10
Enter no of rows 12
                    1
                    2 1
                  3 3 1
                 4 6 4 1
               5 10 10 5 1
              6 15 20 15 6 1
              21
                  35 35 21
                            7 1
          8 28 56 70 56 28
                              8 1
         9 36 84 126 126 84 36 9 1
    1 10 45 120 210 252 210 120 45 10 1
  1 11 55 165 330 462 462 330 165 55 11
△ 😿 (I) 🛍 and 10:12 AN
```

```
for(r=0;r<n;r++)
for(s=1;s<n-r;s++)p(" ");
for(c=0;c<=r;c++)
                                                            <u>C</u>
                                                                         ۵
if( c==0 | | c==r ) <u>a=1;</u> else <u>a=a*(r-c+1)/c;</u>
                                                             0
                                                                         ١
                                                                         11
                                                            01
p(a);
                                                                         \*(2-1+1)/1=2
                                                            0 | 2
}
                                                                         l *(3-1+1)/1=3
p("\n");
                                                           0123
                                                           01234
                                                                         3*(3-2+1)/2=3
                                                                         | *(4-1+1)/1=4
                                                                          4*(4-2+1)/2=6
                                                                          6*(4-3+1)/3=4
```

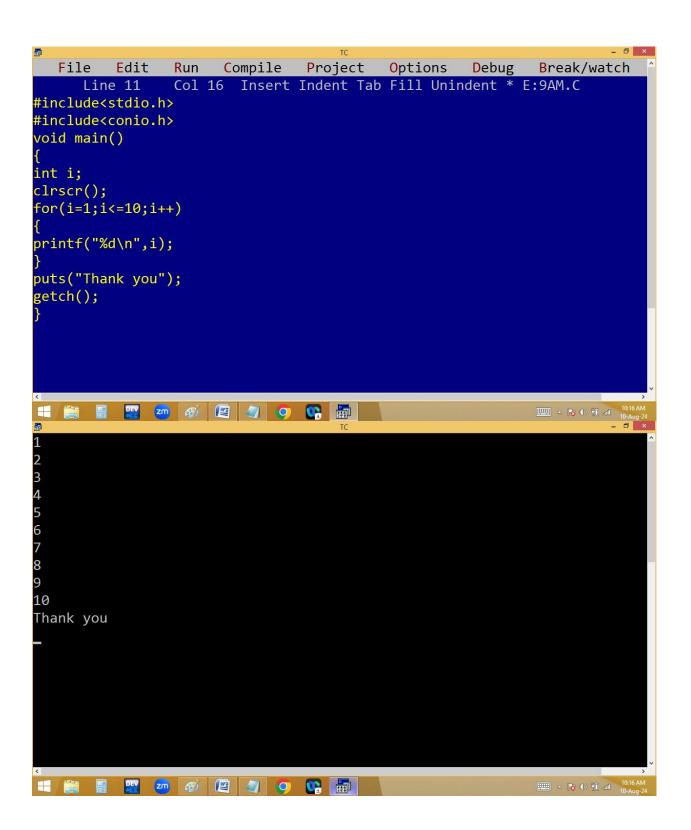
break: It is a keyword used to stop the switch / loop. When break occurred, the program execution jumped to the first line after the switch or loop.

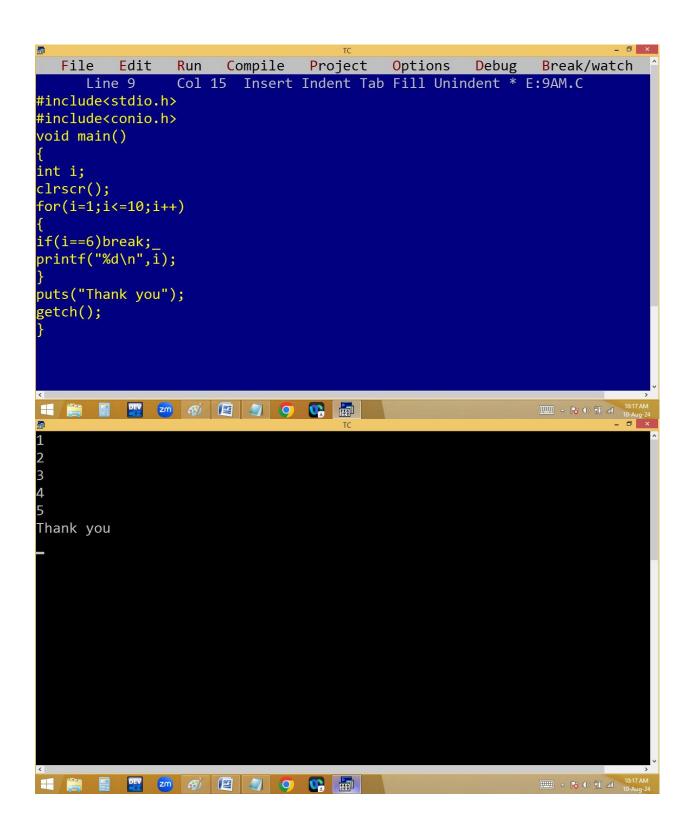


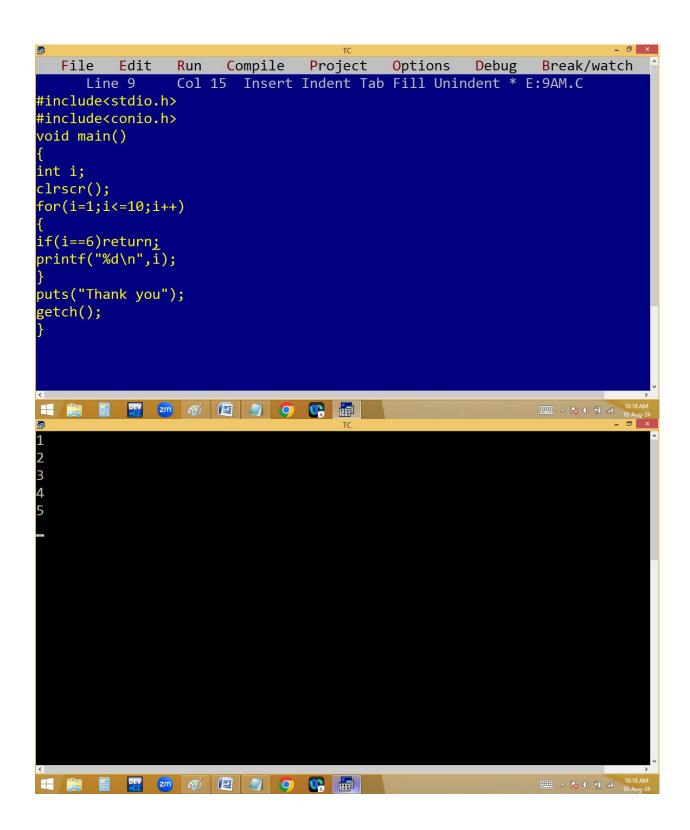
```
File Edit Run Compile Project Options Debug Break/watch

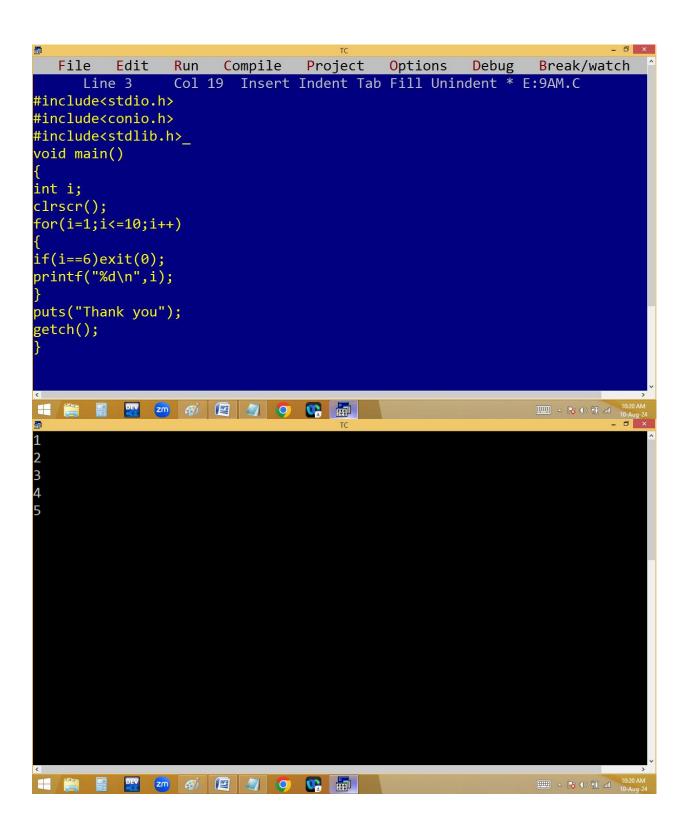
Error: Misplaced break in function main

#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
puts("GOOD MORNING");
break;
puts("GOOD NIGHT");
getch();
}
```

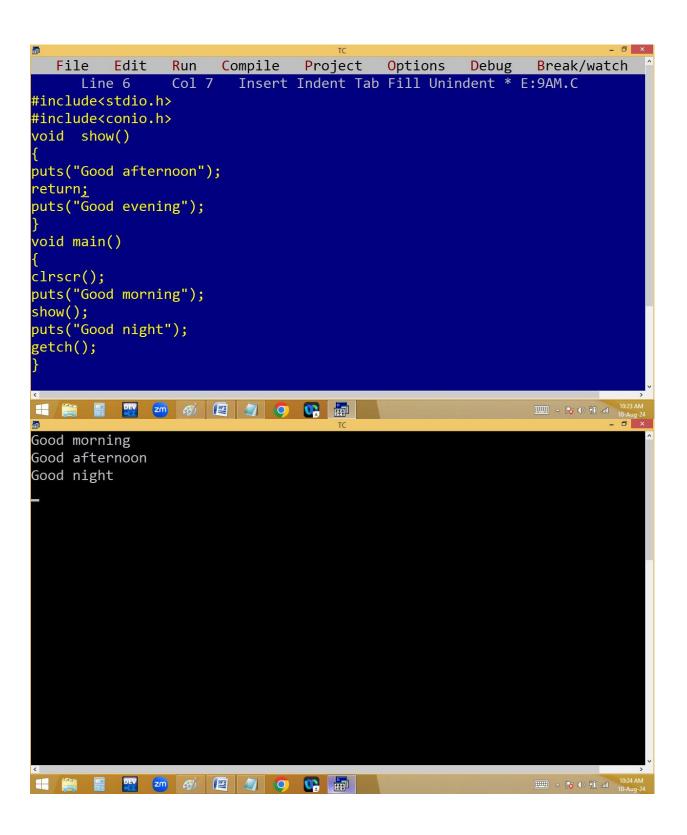








```
- 0 ×
                    Compile Project Options Debug Break/watch
  File Edit Run
Error: Misplaced break in function show
#include<stdio.h>
#include<conio.h>
void show()
puts("Good afternoon");
break;
puts("Good evening");
void main()
clrscr();
puts("Good morning");
show();
puts("Good night");
getch();
____ △ 😼 (I) 👸 aid 10:22 AM
```



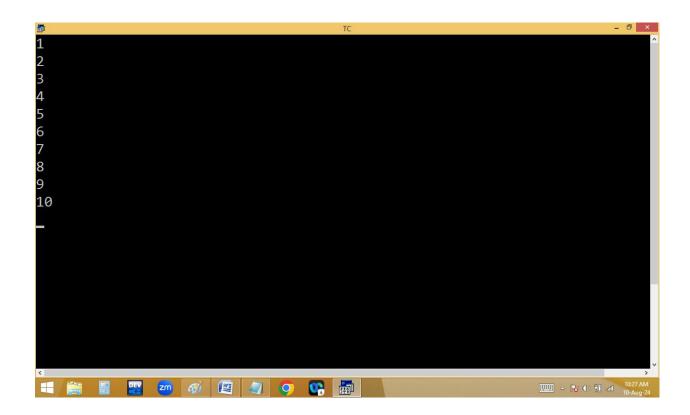
```
_ 🗇 🗴
  File Edit
                    Compile Project Options Debug Break/watch
               Run
               Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 3
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
void show()
puts("Good afternoon");
exit(0);
puts("Good evening");
void main()
clrscr();
puts("Good morning");
show();
puts("Good night");
getch();
△ 😼 (IV) 🛗 aid 10:24 AI 10-Aug-
Good morning
Good afternoon
△ 🐼 (I) 📶 and 10:25 AM 10-Aug-24
```

break	exit()	Return
Keyword	Function	Keyword
Header file not required	stdlib.h / process.h required	Header file not required

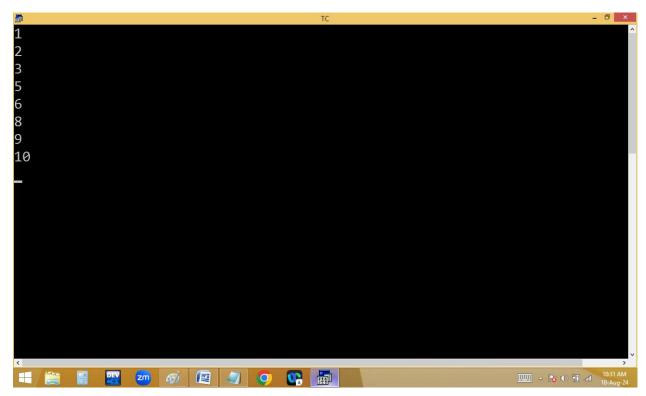
Terminates switch / loop	Terminates total program	Closes that function only
Should be used within	Used any where	Used any where
switch/loop		

continue: It is a keyword is used within loop to skip some of the iterations. When continue occurred, the program execution jumped to loop ending and later to beginning.

```
Run
                                      Options
  File
                    Compile
                             Project
                                               Debug
                                                      Break/watch
                      Insert Indent Tab Fill Unindent * E:9AM.C
     Line 10
#include<stdio.h>
#include<conio.h>
void main()
int i;
clrscr();
for(i=1;i<=10;i++)
printf("%d\n",i);
getch();
```



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



Printf 1..10 even no's using continue:

```
_ 🗇 🗙
                    Compile Project Options Debug Break/watch
  File Edit
              Run
              Col 11 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 9
#include<stdio.h>
#include<conio.h>
void main()
int i;
clrscr();
for(i=1;i<=10;i++)
if(i%2!=0)continue;
printf("%d\n",i);
getch();
△ 😿 (I) 👸 all 10:41 AM
```

