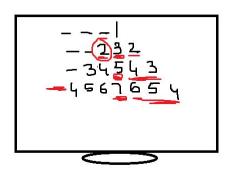
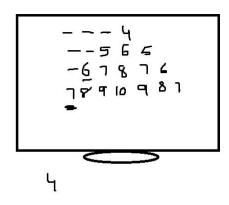
```
_ 🗆 ×
 File Edit Run Compile Project Options Debug Break/watch
                          ——— Edit —
      Line 11
               Col 30 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
int s,n,r,c,a; clrscr();
printf("Enter no of rows "); scanf("%d",&n);
for(r=1;r<=n;r++)
for(s=1;s<=n-r;s++)printf(" ");</pre>
for(a=r,c=1;c<=r;c++)printf("%3d",a++);</pre>
for(a=a-2;a>=r;a--)printf("%3d",a);
printf("\n");
getch();
Enter no of rows 10
                        1
                      2 3 2
                     4
                        5
                          4 3
                   3
                   5
                      6
                        7
                           6 5 4
                   7 8 9
                           8 7 6 5
            6 7 8 9 10 11 10 9
         7 8 9 10 11 12 13 12 11 10 9 8 7
      8 9 10 11 12 13 14 15 14 13 12 11 10 9 8
    9 10 11 12 13 14 15 16 17 16 15 14 13 12 11 10 9
10 11 12 13 14 15 16 17 18 19 18 17 16 15 14 13 12 11 10
△ N 10 0 0 6:22 PM
```

```
for( r=1; r<=4; r++ )
{
for( s=1;s<=n-r;s++) p(" ");
for(a=r, c=1;c<=r;c++)p(a++);
for(a=a-2;a>=r;a--)p(a);
p("\n");
}
```



```
_ 🗆 ×
 File Edit Run Compile Project Options Debug Break/watch
                            ——— Edit —
      Line 11
                Col 40 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
int s,n,r,c,a; 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(a=n+r-1,c=1;c<=r;c++)printf("%3d",a++);</pre>
for(a=a-2;a>=n+r-1;a--)printf("%3d",a);
printf("\n");
getch();
Enter no of rows 10
                         10
                      11 12 11
                   12 13 14 13 12
                 13 14 15 16 15 14 13
              14 15 16 17 18 17 16 15 14
           15 16 17 18 19 20 19 18 17 16 15
        16 17 18 19 20 21 22 21 20 19 18 17 16
      17 18 19 20 21 22 23 24 23 22 21 20 19 18 17
   18 19 20 21 22 23 24 25 26 25 24 23 22 21 20 19 18
19 20 21 22 23 24 25 26 27 28 27 26 25 24 23 22 21 20 19
△ 😼 🗓 🕪 😭 6:35 PM
```



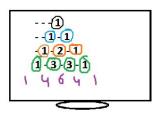
## Pascal triangle:

```
_ 🗆 ×
 File Edit Run Compile Project Options Debug Break/watch
                         ———— Edit —
     Line 13
              Col 1 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
int s,n,r,c,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();
Enter no of rows
                      1
                    1 1
                  1
                 1
                   3 3 1
                  4 6 4 1
                 5 10 10 5 1
               6 15 20 15 6
            7 21 35 35 21 7 1
            8 28 56 70 56 28 8
          9 36 84 126 126 84 36 9 1
     1 10 45 120 210 252 210 120 45 10
    1 11 55 165 330 462 462 330 165 55 11
  1 12 66 220 495 792 924 792 495 220 66 12
       - N 102 PM 19-Jul-24
```

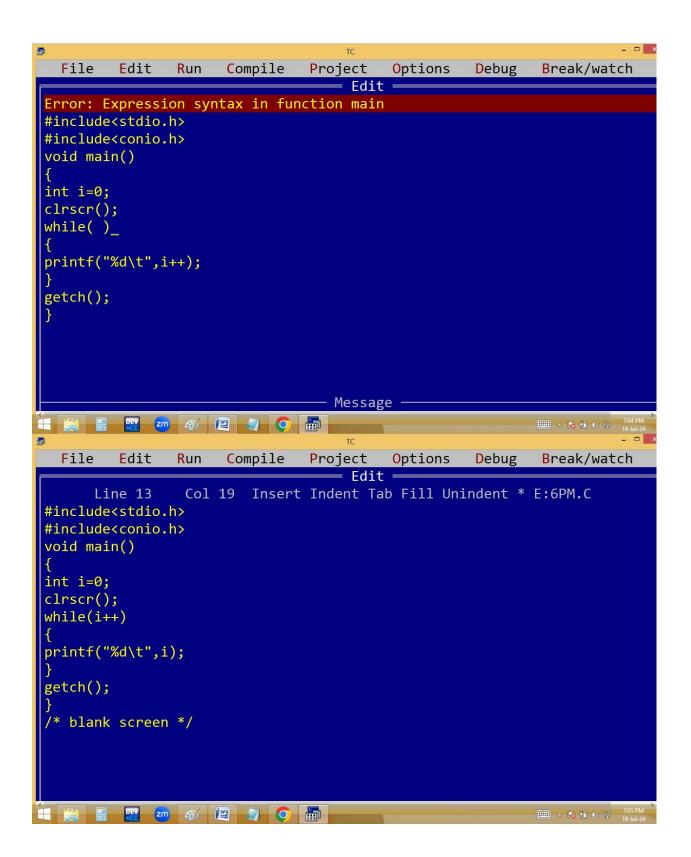
```
for( r=0; r<n; r++) 

{
for( s=1; s<n-r; s++) p(" ");
for( c=0; c<=r; c++) 

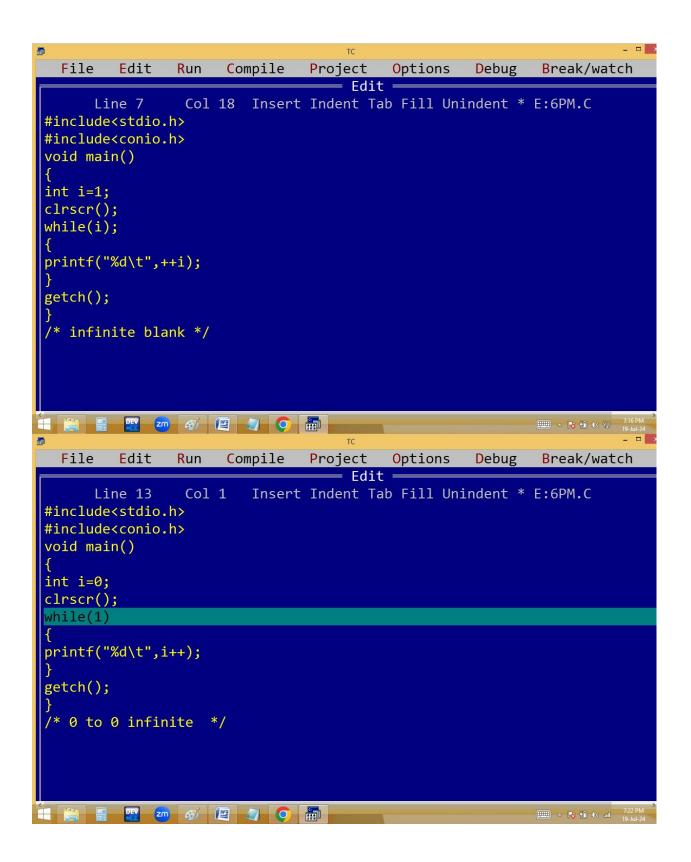
{
if(c==0 || c==r )a=1;
else a = a*(r-c+1)/c;
p(a); \smile
}
p("\n");
}
4*(4-2+1)/2=6
6*(4-3+1)/3=4
```

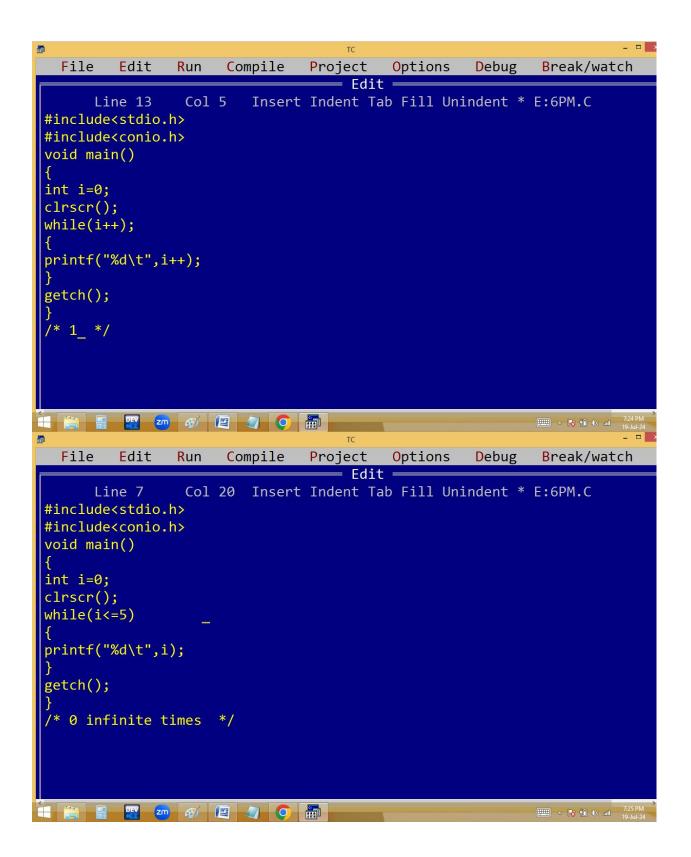


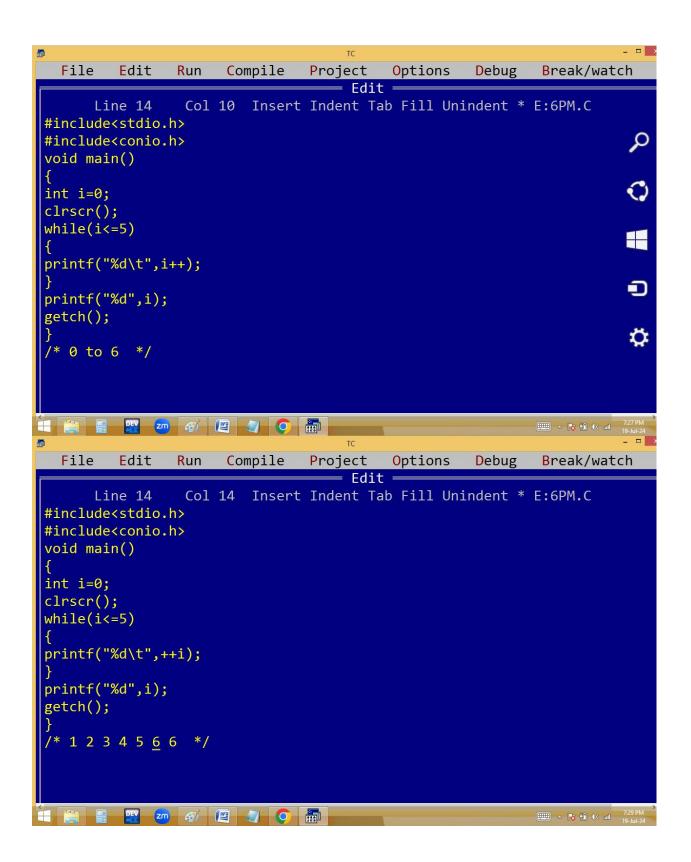
## **Loops interview questions:**

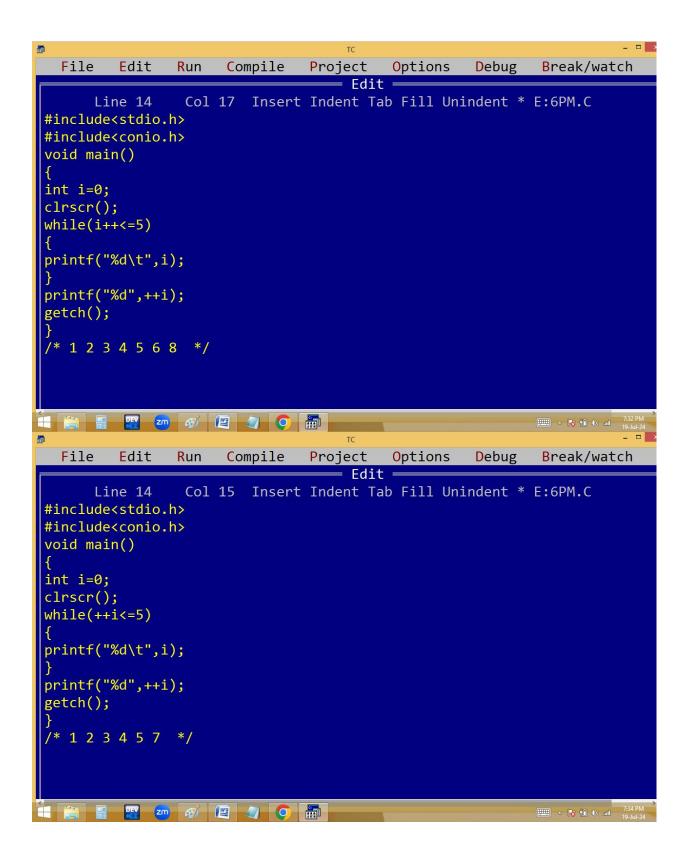


```
_ 🗆 >
 File Edit Run Compile Project Options Debug Break/watch
                               = Edit 💳
      Line 13
               Col 53 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
int i=0;
 clrscr();
while(++i)
printf("%d\t",i);
getch();
 /* 1 2 3 ... 32767 -32768 -32767 -32766 ..... -1 */
File Edit Run Compile Project Options Debug Break/watch
                            ——— Edit ———
               Col 18 Insert Indent Tab Fill Unindent * E:6PM.C
#include<stdio.h>
#include<conio.h>
void main()
int i=1;
clrscr();
while(i)
printf("%d\t",i++);
getch();
 /* 1 2 <u>3</u> ... 32767 <u>-32768 -32767 -32766 .... -1</u> */
         zn 60 (E) 40 (O) E
```

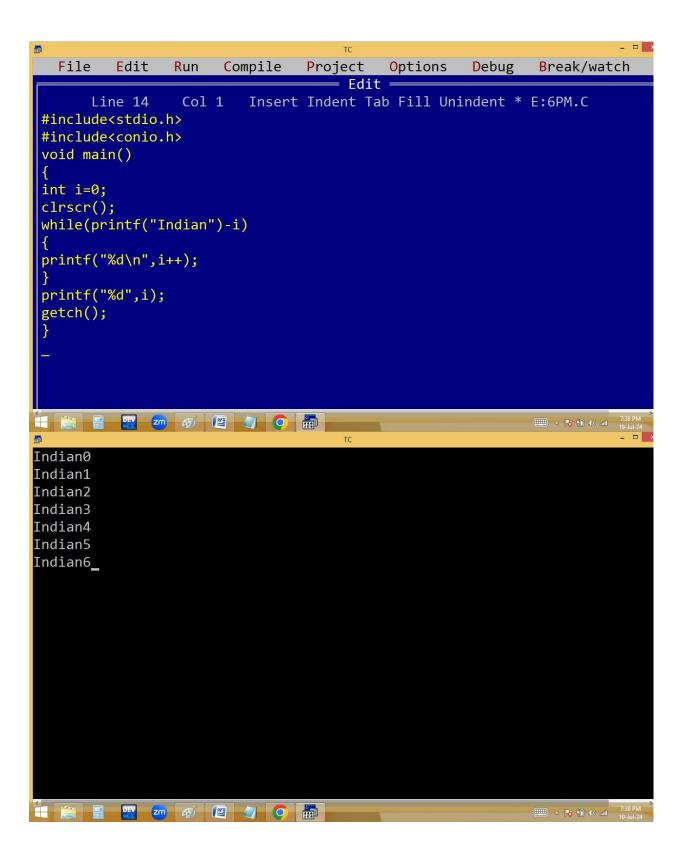


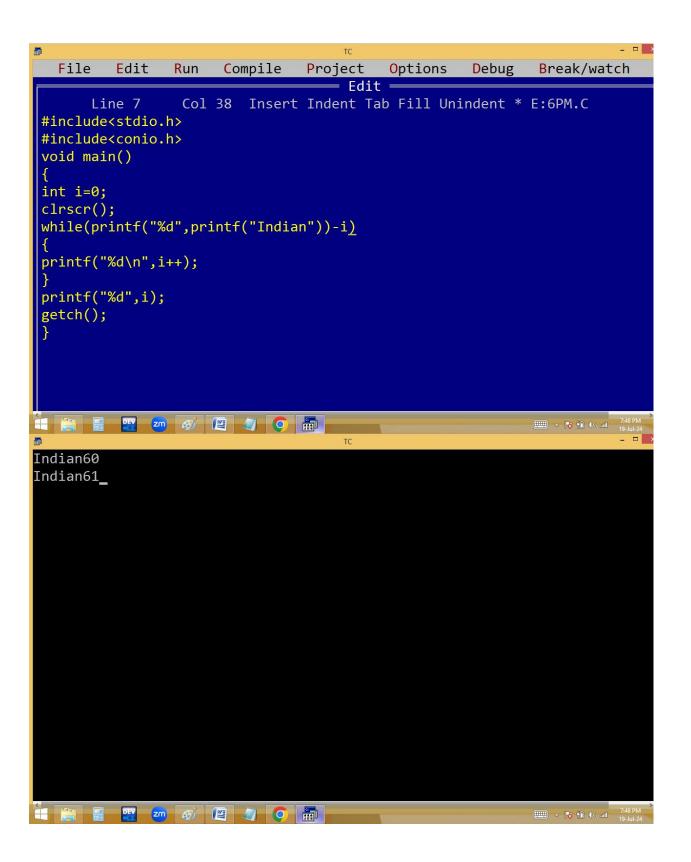






```
_ 🗆 >
 File Edit Run Compile Project Options Debug Break/watch
                         ——— Edit —
              Col 8 Insert Indent Tab Fill Unindent * E:6PM.C
      Line 14
#include<stdio.h>
 #include<conio.h>
 void main()
 int i=0;
 clrscr();
while(++i<=5);
printf("%d\t",i);
printf("%d",++i);
 getch();
 /* 6 <u>7</u> */
7:36 PM
```





```
while ( p("%d", p("Indian"))-1) Indian6()

{
    p("%d", i++);
    }

p(i);
```