

```

1  #include <stdio.h>
2  #include <stdlib.h>
3  int main(void)
4  {
5      int i, j;
6      int a[10][10] = {0};
7
8      a[1][1] = 1;
9
10     i = 2;
11     while (i<=9)
12     {
13         j = 2;
14         while (j<=9)
15         {
16             a[i][j] = a[i-1][j-1]+a[i-1][j]; /* a[i][j] ith row, jth
column */
17             j = j + 1;
18         }
19         i = i + 1;
20     }
21
22     /* show the content of a */
23     i = 0;
24     while (i<=9)
25     {
26         j = 0;
27         while (j<=9)
28         {
29             printf("%3d ", a[i][j]);
30             j = j + 1;
31         }
32         printf("\n");
33         i = i + 1;
34     }
35
36     return 0;
37 }
38 /*
39 How to print a Pascal Triangle?
40 Try it yourself.
41 0 0 0 0 0 0
42 0 1 0 0 0 0
43 0 1 1 0 0 0
44 0 1 2 1 0 0
45 0 1 3 3 1 0
46 0 1 4 6 4 1
47 ...
48 */

```