```c
17
18        int i,j, k;
19        int matrix[4][4];
20        int temp;
21        int *ptr;
22        int cycle = 0;
23
24        ptr = matrix;
25
26        for (i=0; i<16; i++) {
27                *(ptr + i) = rand() % 100;
28        }
29
30        for (i=0; i<4; i++) {
31            for(j=0+cycle; j<4+cycle; j++) {
32                printf("%i ", *(ptr + j));
33            }
34            printf("\n");
35            cycle += 4;
36        }
37
38        for(k=0; k<7;k++) {
39            temp = *(ptr + 1);
40            *(ptr + 1) = *(ptr + 4);
```

Problems ✔ Tasks 🖥 Console ✕ 📋 Properties ❗Error Log

<terminated> prac2-5 [C/C++ Application] /Volumes/HOME/__programming/C
7 49 73 58
30 72 44 78
23 9 40 65
92 42 87 3

Transpose of the matrix:

7 30 23 92
49 72 9 40
73 44 78 87
58 42 65 3