

1 – masala(K10)

```
1masalaK10.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 1masalaK10.c
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int TOLDIRISH(int n, int array[n][n]);
5  int CHIQRISH(int n, int array[n][n]);
6
7  int main(){
8      system("cls");
9      int n;
10     printf("bitta son kiriting: ");
11     scanf("%d", &n);
12     int array[n][n];
13     TOLDIRISH(n, array);
14     puts("\n");
15     CHIQRISH(n, array);
16
17     return 0;
18 }
19
```

```
20 int TOLDIRISH(int n, int array[n][n]){
21     for(int i = 0; i < n; i++){
22         for(int j = 0; j < n; j++){
23             scanf("%d", &array[i][j]);
24         }
25     }
26     for(int i = 0; i < n; i++){
27         for(int j = 0; j < n; j++){
28             printf("%d\t", array[i][j]);
29         }
30         puts("\n");
31     }
32 }
33 int CHIQRISH(int n, int array[n][n]){
34     for(int l = 0; l < n; l++){
35         for(int k = 0; k < n; k++){
36             if(k == l){
37                 int m = array[l][k];
38                 array[l][k] = array[l][n - 1 - l];
39                 array[l][n - 1 - l] = m;
40             }
41         }
42     }
43     for(int i = 0; i < n; i++){
44         for(int j = 0; j < n; j++){
45             printf("%d\t", array[i][j]);
46         }
47         puts("\n");
48     }
49 }
```

```

bitta son kiriting: 4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
1      2      3      4

5      6      7      8

9      10     11     12

13     14     15     16


4      2      3      1
5      7      6      8
9      11     10     12
16     14     15     13

```

```
PS C:\Users\PRO_USER\.vscode\vscode\homework> 
```

2 – masala(K11)

```

C 2masalaK11.c X
C: > Users > PRO_USER > .vscode > vscode > homework > C 2masalaK11.c
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int TOLDIRISH(int n, int array[n][n]);
5  int ASOSIYDIA(int n, int array[n][n]);
6
7  int main(){
8      system("cls");
9      int n;
10     printf("bitta son kiriting: ");
11     scanf("%d", &n);
12     int array[n][n];
13     TOLDIRISH(n, array);
14     ASOSIYDIA(n, array);
15
16     return 0;
17 }

```

```

18 int TOLDIRISH(int n, int array[n][n]){
19     for(int i = 0; i < n; i++){
20         for(int j = 0; j < n; j++){
21             scanf("%d", &array[i][j]);
22         }
23     }
24     for(int i = 0; i < n; i++){
25         for(int j = 0; j < n; j++){
26             printf("%d\t", array[i][j]);
27         }
28         puts("\n");
29     }
30 }
31 int ASOSIYDIA(int n, int array[n][n]){
32     printf("\n\nasosiy diagonal elenentlari: ");
33     for(int l = 0; l < n; l++){
34         for(int k = 0; k < n; k++){
35             if(k == l){
36                 printf("%d ", array[l][k]);
37             }
38         }
39     }
40 }

```

bitta son kiriting: 3

1 2 3 4 5 6 7 8 9

1 2 3

4 5 6

7 8 9

asosiy diagonal elenentlari: 1 5 9

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3 – masala(K12)

```
3masalaK12.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 3masalaK12.c

1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int TOLDIRISH(int n, int serya[n][n]);
5  int TESKARIDIA(int n, int serya[n][n]);
6
7  int main(){
8      system("cls");
9      int n;
10     printf("Bitta son kiriting: ");
11     scanf("%d", &n);
12     int serya[n][n];
13     TOLDIRISH(n, serya);
14     TESKARIDIA(n, serya);
15
16     return 0;
17 }

18 int TOLDIRISH(int n, int serya[n][n]){
19     for(int i = 0; i < n; i++){
20         for(int j = 0; j < n; j++){
21             scanf("%d", &serya[i][j]);
22         }
23     }
24     for(int i = 0; i < n; i++){
25         for(int j = 0; j < n; j++){
26             printf("%d\t", serya[i][j]);
27         }
28         puts("\n");
29     }
30 }
31 int TESKARIDIA(int n, int serya[n][n]){
32     printf("\nteskari diagonal elementlari: ");
33     for(int l = 0; l < n; l++){
34         for(int k = 0; k < n; k++){
35             if( k == n - 1 - l){
36                 printf("%d ", serya[l][n - 1 - l]);
37             }
38         }
39     }
40 }
```

Bitta son kiriting: 3

1 2 3 4 5 6 7 8 9

1 2 3

4 5 6

7 8 9

teskari diagonal elementlari: 3 5 7

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4 – masala(K16)

```
4masalaK16.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 4masalaK16.c
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int TOLIRDISH(int n, int massiv[n][n]);
5  int ALMASH(int n, int massiv[n][n]);
6
7  int main(){
8      system("cls");
9      int n;
10     printf("Bitta son kiriting: ");
11     scanf("%d", &n);
12     int massiv[n][n];
13     TOLIRDISH(n, massiv);
14     ALMASH(n, massiv);
15
16     return 0;
17 }
```

```

18 int TOLIRDISH(int n, int massiv[n][n]){
19     printf("\narray sonlarini kiriting: ");
20     for(int i = 0; i < n; i++){
21         for(int j = 0; j < n; j++){
22             scanf("%d", &massiv[i][j]);
23         }
24     }
25     for(int i = 0; i < n; i++){
26         for(int j = 0; j < n; j++){
27             printf("%d\t", massiv[i][j]);
28         }
29         puts("\n");
30     }
31 }
32 int ALMASH(int n, int massiv[n][n]){
33     puts("0- ustun sonlari bilan 0 - qator sonlarining almashgani: ");
34     for(int l = 0; l < n; l++){
35         for(int k = 0; k < n; k++){
36             int m = massiv[0][n - 1 - l];
37             massiv[0][n - 1 - l] = massiv[n - 1 - l][0];
38             massiv[n - 1 - l][0] = m;
39         }
40     }
41     for(int i = 0; i < n; i++){
42         for(int j = 0; j < n; j++){
43             printf("%d\t", massiv[i][j]);
44         }
45         puts("\n");
46     }
47 }

```

Bitta son kiriting: 3

array sonlarini kiriting: 1 2 3 4 5 6 7 8 9

1 2 3

4 5 6

7 8 9

0- ustun sonlari bilan 0 - qator sonlarining almashgani:

1 4 7

2 5 6

3 8 9

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5 – masala(K17)

```
5masalaK17.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 5masalaK17.c

1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int TOLDIRISH(int n, int m, int array[n][m]);
5  int ALMASH(int n, int m, int array[n][m]);
6
7  int main(){
8      system("cls");
9      int n, m;
10     printf("qator va ustun: ");
11     scanf("%d%d", &n, &m);
12     int array[n][m];
13     TOLDIRISH(n, m, array);
14     ALMASH(n, m, array);
15
16     return 0;
17 }

18 int TOLDIRISH(int n, int m, int array[n][m]){
19     for(int i = 0; i < n; i++){
20         for(int j = 0; j < m; j++){
21             scanf("%d", &array[i][j]);
22         }
23     }
24     for(int i = 0; i < n; i++){
25         for(int j = 0; j < m; j++){
26             printf("%d\t", array[i][j]);
27         }
28         puts("\n");
29     }
30 }
31 int ALMASH(int n, int m, int array[n][m]){
32     puts("\nustun bilan qatorning almashtirilgani: ");
33     for(int l = 0; l < n; l++){
34         for(int k = 0; k < m; k++){
35             printf("%d\t", array[k][l]);
36         }
37         puts("\n");
38     }
39 }
```

qator va ustun: 3 3

1 2 3 4 5 6 7 8 9

1 2 3

4 5 6

7 8 9

ustun bilan qatorning almashtirilgani:

1 4 7

2 5 8

3 6 9

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