

# 1 – masala

```
1masala.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 1masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main(){
5     system("cls");
6     int son1, son2;
7     printf("ikkita son kiriting: ");
8     scanf("%d%d", &son1, &son2);
9     printf("son1 ==> %d \t son2 ==> %d\n\n", son1, son2);
10
11     int *ptr1 = &son1;
12     int *ptr2 = &son2;
13     int yig = *ptr1 + *ptr2;
14     *ptr1 = yig;
15     *ptr2 = yig;
16
17     printf("son1 ==> %d \t son2 ==> %d\n", *ptr1, *ptr2);
18     printf("son1 ==> %d \t son2 ==> %d", son1, son2);
19
20     return 0;
21 }
```

ikkita son kiriting: 10 30  
son1 ==> 10 son2 ==> 30

son1 ==> 40 son2 ==> 40  
son1 ==> 40 son2 ==> 40  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

# 2 – masala

```
2masala.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 2masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void YIGINDI(int *son1, int *son2){
5     int yig = *son1 + *son2;
6     printf("ikki sonning yiginidisi ==> %d", yig);
7 }
8
9 int main(){
10     system("cls");
11     int son1, son2;
12     printf("Ikkita son kiriting: ");
13     scanf("%d%d", &son1, &son2);
14     printf("son1 ==> %d \t son2 ==> %d\n\n", son1, son2);
15     YIGINDI(&son1, &son2);
16
17     return 0;
18 }
```

ikkita son kiriting: 12 58  
son1 ==> 12 son2 ==> 58

ikki sonning yiginidisi ==> 70  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

# 3 – masala

```
3masala.c X
C: > Users > PRO_USER > .vscode > vscode > homework > 3masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void ALMASH(int *a, int *b, int *c){
5     int son = *c;
6     *c = *b;
7     *b = *a;
8     *a = son;
9 }
10
11 int main(){
12     system("cls");
13     int a, b, c;
14     printf("3 ta son kiriting: ");
15     scanf("%d%d%d", &a, &b, &c);
16
17     printf("son1(A) ==> %d\n", a);
18     printf("son1(B) ==> %d\n", b);
19     printf("son1(C) ==> %d\n", c);
20     puts("\n\n");
21
22     ALMASH(&a, &b, &c);
23     printf("son1(A) ==> %d\n", a);
24     printf("son1(B) ==> %d\n", b);
25     printf("son1(C) ==> %d\n", c);
26
27     return 0;
28 }
29 }
```

3 ta son kiriting: 15 59 332  
son1(A) ==> 15  
son1(B) ==> 59  
son1(C) ==> 332

son1(A) ==> 332  
son1(B) ==> 15  
son1(C) ==> 59  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 4 – masala

```
4masala.c X
C: > Users > PRO_USER > .vscode > homework > 4masala.c

1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5  void TOLDIRISH(int array[], int size){
6      srand(time(0));
7      for(int i = 0; i < size; i++){
8          array[i] = rand()%20 -10;
9          printf("%d\t", array[i]);
10     }
11 }
12 int KATTA(int *ptrar, int size, int index){
13     int low = *ptrar;
14     for(int i = 0; i < size; i++){
15         if(low < *(ptrar + i)){
16             low = *(ptrar + i);
17             index = i;
18         }
19     }
20     return index;
21 }
22
```

```
23 int main(){
24     system("cls");
25     int array[10];
26     int size = sizeof(array) / sizeof(int);
27     TOLDIRISH(array, size);
28     puts("\n");
29
30     int index = KATTA(array, size, index);
31     printf("Eng katta son ==> %d\n", array[index]);
32     printf("eng katta son indexidan 2 ta keyingi son: ");
33     if(index == 9 || index == 10 ){
34         printf("\nbu orinda son mavjud emas");
35     }else{
36         printf(" %d", array[index + 2]);
37     }
38
39
40
41     return 0;
42 }
```

```
-2      4      3      6      -4      9      -3      5
2      7
```

Eng katta son ==> 9

eng katta son indexidan 2 ta keyingi son: 5

PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 5 – masala

```
C: 5masala.c X
C: > Users > PRO_USER > .vscode > vscode > homework > C 5masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 void ALMASH(int *son1, int *son2){
5     int a = *son1;
6     *son1 = *son2;
7     *son2 = a;
8 }
9
10 int main(){
11     system("cls");
12     int son1, son2;
13     printf("ikkita son kiriting: ");
14     scanf("%d%d", &son1, &son2);
15     printf("son1 ==> %d\t son2 ==> %d\n", son1, son2);
16
17     ALMASH(&son1, &son2);
18     puts("\n");
19     printf("son1 ==> %d\t son2 ==> %d\n", son1, son2);
20
21     return 0;
22 }
```

PROBLEMS TERMINAL ...

ikkita son kiriting: 12 59  
son1 ==> 12 son2 ==> 59

son1 ==> 59 son2 ==> 12  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 6 – masala

```
C: 6masala.c X
C: > Users > PRO_USER > .vscode > vscode > homework > C 6masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4
5 void TOLDIRISH(int array[], int size){
6     srand(time(0));
7     for(int i = 0; i < size; i++){
8         array[i] = rand() % 100 + 1;
9         printf("%d\t", array[i]);
10    }
11 }
12 void YAXLITLASH(int *arr, int size){
13     for(int i = 0; i < size; i++){
14         if(*(arr + i) % 21 == 0 && *(arr + i) % 5 != 0 ){
15             printf("%d\t", *(arr + i));
16         }
17     }
18 }
19
20 int main(){
21     system("cls");
22     int array[10];
23     int size = sizeof(array) / sizeof(int);
24     TOLDIRISH(array, size);
25     printf("\n\n7 ga va 3ga bolinadigan hamda 5 ga bolinmaydigan sonlar: ");
26     YAXLITLASH(array, size);
27
28     return 0;
29 }
```

PROBLEMS OUTPUT TERMINAL ...

43 78 15 56 73 59 44 83 4 4  
2

7 ga va 3ga bolinadigan hamda 5 ga bolinmaydigan sonlar: 42  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 7 – masala

```
7masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main(){
5     system("cls");
6     int son1, son2, son3;
7     printf("3 ta son kriting: ");
8     scanf("%d%d%d", &son1, &son2, &son3);
9     printf("son1 ==> %d\n", son1);
10    printf("son2 ==> %d\n", son2);
11    printf("son3 ==> %d\n", son3);
12
13    int *ptr1 = &son1;
14    int *ptr2 = &son2;
15    int *ptr3 = &son3;
16
17    int ort = (*ptr1 + *ptr2 + *ptr3) / 3;
18    printf("\n 3 ta sonning orta arifmetigi: %d", ort);
19
20    return 0;
21 }
```

3 ta son kriting: 15 59 63  
son1 ==> 15  
son2 ==> 59  
son3 ==> 63

3 ta sonning orta arifmetigi: 45  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 8 – masala

```
8masala.c
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4 #include <math.h>
5
6 void TOLDIRISH(int array[], int size){
7     srand(time(0));
8     for(int i = 0; i < size; i++){
9         array[i] = rand()%60 + 2;
10        printf("%d\t", array[i]);
11    }
12 }
13 void TUB(int *arr, int size, int array[]){
14     for(int i = 0; i < size; i++){
15         int yig = 0;
16         for(int k = 1; k < sqrt(array[i]); k++){
17             if(*(arr + i) % k == 0){
18                 yig++;
19             }
20         }
21         if(yig == 1){
22             printf(" %d\t", *(arr + i));
23         }
24     }
25 }
26
27 int main(){
28     system("cls");
29     int array[10];
30     int size = sizeof(array) / sizeof(int);
31     TOLDIRISH(array, size);
32     puts("\n");
33     printf("Tub sonlar: ");
34     TUB(array, size, array);
35
36     return 0;
37 }
```

11 3 31 59 14 57 61 50 7  
53

Tub sonlar: 11 3 31 59 61 7 5  
3  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 9 – masala

```
9masala.c
C: > Users > PRO_USER > .vscode > vscode > homework > C 9masala.c
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5  void TOLDIRISH(int array[], int size){
6      srand(time(0));
7      for(int i = 0; i < size; i++){
8          array[i] = rand()%30 - 10;
9          printf("%d\t", array[i]);
10     }
11 }
12 int SUMMA(int *arr, int size){
13     int sum = 0;
14     for(int i = 0; i < size; i++){
15         sum += *(arr + i);
16     }
17     return sum;
18 }
19
20 int main(){
21     system("cls");
22     int array[10];
23     int size = sizeof(array) / sizeof(int);
24     TOLDIRISH(array, size);
25     puts("\n");
26
27     int summa = SUMMA(array, size);
28     printf("array sonlarining summasi: %d ", summa);
29
30     return 0;
31 }
```

17 -5 -3 8 6 0 9 -8 8  
1  
array sonlarining summasi: 33  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>

## 10 – masala

```
10masala.c
C: > Users > PRO_USER > .vscode > vscode > homework > C 10masala.c
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5  void TOLDIRISH(int array[], int size){
6      srand(time(0));
7      for(int i = 0; i < size; i++){
8          array[i] = rand()%100 + 1;
9          printf("%d\t", array[i]);
10     }
11 }
12 void JUFTSONLAR(int *arr, int size){
13     int yig = 0;
14     int son = 0;
15     for(int i = 0; i < size; i++){
16         if(*(arr + i) % 2 == 0){
17             yig += *(arr + i);
18             son ++;
19         }
20     }
21     int orta = yig / son;
22     printf("\nArray ichidagi juft sonlar orta arifmetigi: %d", orta);
23 }
24 int main(){
25     system("cls");
26     int array[10];
27     int size = sizeof(array) / sizeof(int);
28     TOLDIRISH(array, size);
29     puts("\n");
30     JUFTSONLAR(array, size);
31     return 0;
32 }
```

67 39 24 86 30 50 84 88 60  
67  
Array ichidagi juft sonlar orta arifmetigi: 60  
PS C:\Users\PRO\_USER\.vscode\vscode\homework>