

1 – masala

```
1masala.c x
1masala.c > main()
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5
6  int main(){
7      system("cls");
8      int n = 10;
9      int arr[n];
10     srand(time(0));
11     for(int i = 0; i < n; i++){
12         arr[i] = rand()%100 - 50;
13         // printf("%d\t", arr[i]);
14     }
15     FILE *f1 = fopen("1masalaMusbat.BIN", "wb");
16     for(int j = 0; j < n; j++){
17         if(arr[j] > 0){
18             fwrite(&arr[j], sizeof(int), 1, f1);
19             // printf("%d\t", arr[j]);
20         }
21     }
22     fclose(f1);
23     FILE *f = fopen("1masalaManfiy.BIN", "wb");
24     for(int k = 0; k < n; k++){
25         if(arr[k] < 0){
26             fwrite(&arr[k], sizeof(int), 1, f);
27             // printf("%d\t", arr[k]);
28         }
29     }
30
31     int m;
32     f1 = fopen("1masalaMusbat.BIN", "rb");
33     printf("Musbat fayldagi sonlar: ");
34     while (fread(&m, sizeof(int), 1, f1)){
35         printf("%d\t", m);
36     }
37     fclose(f1);
38     puts("");
39     int i;
40     f = fopen("1masalaManfiy.BIN", "rb");
41     printf("Manfiy fayldagi sonlar: ");
42     while (fread(&i, sizeof(int), 1, f)){
43         printf("%d\t", i);
44     }
45     fclose(f);
46     return 0;
47 }
```

2 – masala

```
2masala.c X
C 2masala.c > main()
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4
5
6 int main(){
7     system("cls");
8     int n = 20;
9     int son[n];
10    srand(time(NULL));
11    for(int i = 0; i < n; i++){
12        son[i] = rand()%50 + 1;
13        printf("%d\t", son[i]);
14    }
15    FILE *f2 = fopen("2masala.BIN", "wb");
16    for(int i = 0; i < n; i++){
17        fwrite(&son[i], sizeof(int), 1, f2);
18    }
19    fclose(f2);
20    int i = 0, m;
21    f2 = fopen("2masala.BIN", "rb");
22    while (fread(&m, sizeof(int), 1, f2)){
23        if(i < m){
24            i = m;
25        }
26    }
27    fclose(f2);
28    printf("\nEng katta son: %d", i);
29
30    return 0;
31 }
```

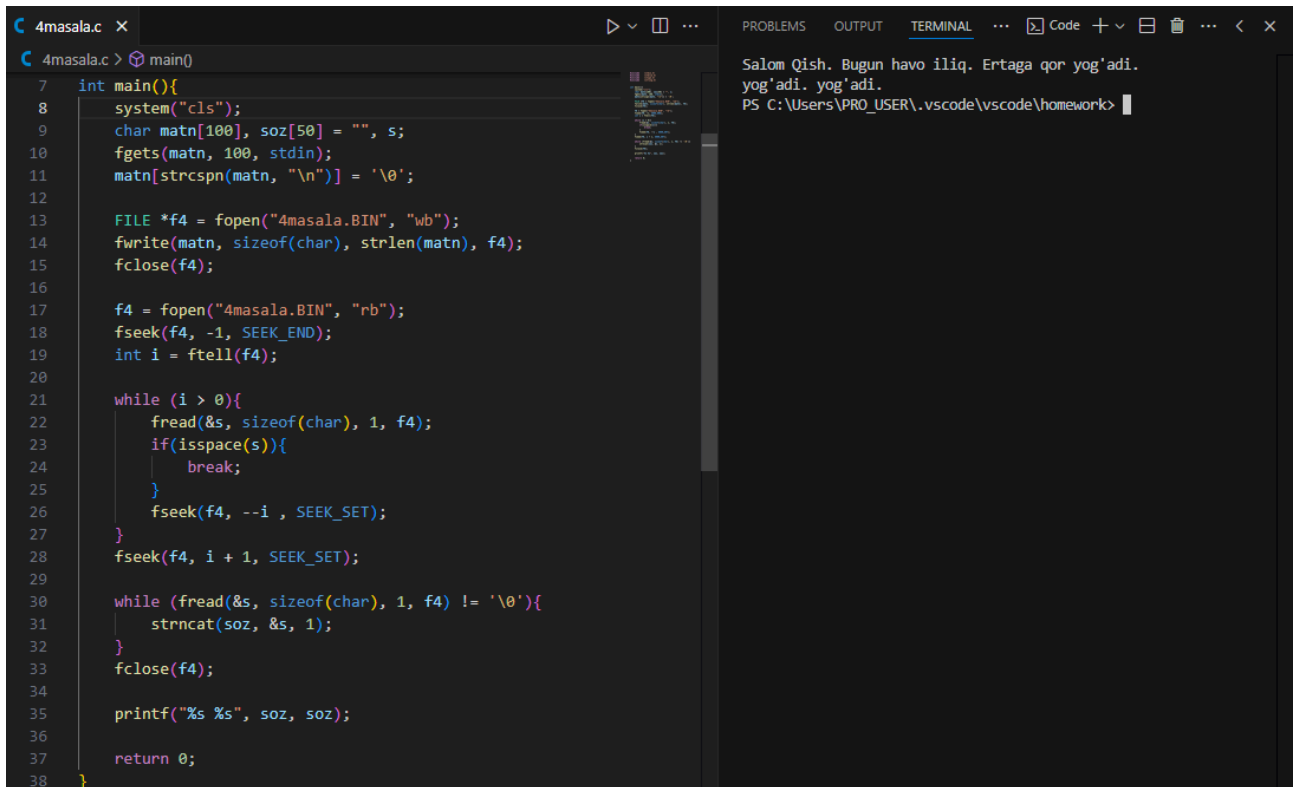
Eng katta son: 49
PS C:\Users\PRO_USER\.vscode\vscode\homework>

3 – masala

```
3masala.c X file3.c
C 3masala.c > main()
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4 #include <ctype.h>
5
6
7 int main(){
8     system("cls");
9     char matn[100];
10    printf("matn: ");
11    fgets(matn, 100, stdin);
12    char s,soz[50] = "";
13    FILE *f3 = fopen("3masala.BIN", "wb");
14    fwrite(matn, sizeof(char), strlen(matn), f3);
15    fclose(f3);
16    f3 = fopen("3masala.BIN", "rb");
17    while (fread(&s, sizeof(char), 1, f3)){
18        if(isalpha(s)){
19            strcat(soz, &s, 1);
20        }else if(isspace(s)){
21            break;
22        }
23    }
24    fclose(f3);
25    printf("%s %s", soz, soz);
26
27
28    return 0;
29 }
```

matn: Salom Qish. Bugun havo iliq. Ertaga qor yog'adi.
Salom Salom
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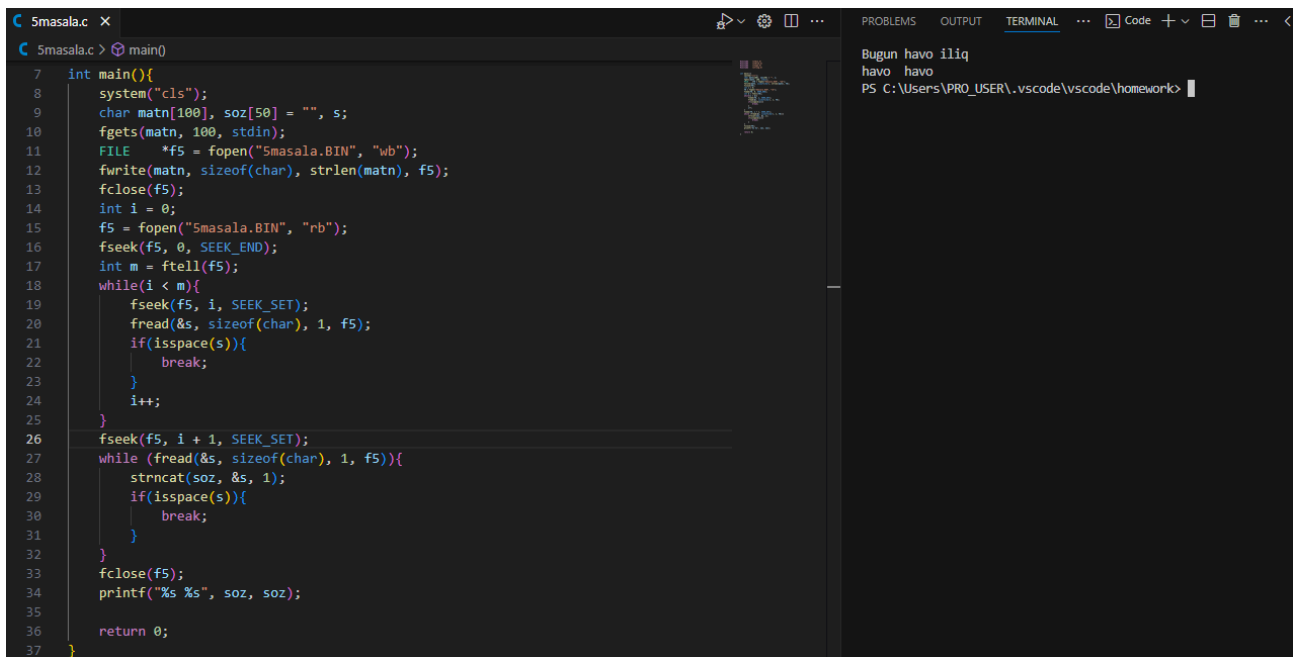
4 – masala



```
4masala.c > main()
7  int main(){
8      system("cls");
9      char matn[100], soz[50] = "", s;
10     fgets(matn, 100, stdin);
11     matn[strcspn(matn, "\n")] = '\0';
12
13     FILE *f4 = fopen("4masala.BIN", "wb");
14     fwrite(matn, sizeof(char), strlen(matn), f4);
15     fclose(f4);
16
17     f4 = fopen("4masala.BIN", "rb");
18     fseek(f4, -1, SEEK_END);
19     int i = ftell(f4);
20
21     while (i > 0){
22         fread(&s, sizeof(char), 1, f4);
23         if(isspace(s)){
24             break;
25         }
26         fseek(f4, --i, SEEK_SET);
27     }
28     fseek(f4, i + 1, SEEK_SET);
29
30     while (fread(&s, sizeof(char), 1, f4) != '\0'){
31         strncat(soz, &s, 1);
32     }
33     fclose(f4);
34
35     printf("%s %s", soz, soz);
36
37     return 0;
38 }
```

Salom Qish. Bugun havo iliq. Ertaga qor yog'adi.
yog'adi. yog'adi.
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5 – masala



```
5masala.c > main()
7  int main(){
8      system("cls");
9      char matn[100], soz[50] = "", s;
10     fgets(matn, 100, stdin);
11     FILE *f5 = fopen("5masala.BIN", "wb");
12     fwrite(matn, sizeof(char), strlen(matn), f5);
13     fclose(f5);
14     int i = 0;
15     f5 = fopen("5masala.BIN", "rb");
16     fseek(f5, 0, SEEK_END);
17     int m = ftell(f5);
18     while(i < m){
19         fseek(f5, i, SEEK_SET);
20         fread(&s, sizeof(char), 1, f5);
21         if(isspace(s)){
22             break;
23         }
24         i++;
25     }
26     fseek(f5, i + 1, SEEK_SET);
27     while (fread(&s, sizeof(char), 1, f5)){
28         strncat(soz, &s, 1);
29         if(isspace(s)){
30             break;
31         }
32     }
33     fclose(f5);
34     printf("%s %s", soz, soz);
35
36     return 0;
37 }
```

Bugun havo iliq
havo havo
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6 – masala

```
6masala.c X
C 6masala.c > main()
7 int main(){
9     char matn[100], soz[50] = "", s;
10    int space = 0;
11    FILE *f6 = fopen("6masala.BIN", "wb");
12    fgets(matn, 100, stdin);
13    matn[strcspn(matn, "\n")] = '\0';
14    fwrite(matn, sizeof(char), strlen(matn), f6);
15    fclose(f6);
16    f6 = fopen("6masala.BIN", "rb");
17    fseek(f6, 0, SEEK_END);
18    int ind = ftell(f6);
19    while(ind > 0){
20        ind--;
21        fseek(f6, ind, SEEK_SET);
22        fread(&s, sizeof(char), 1, f6);
23        if(isspace(s)){
24            space++;
25        }
26        if(space == 2){
27            break;
28        }
29    }
30    fseek(f6, ind + 1, SEEK_SET);
31    space = 0;
32    while (fread(&s, sizeof(char), 1, f6)){
33        if(isspace(s)){
34            break;
35        }
36        strncpy(soz, &s, 1);
37    }
38    fclose(f6);
39    printf("%s %s", soz, soz);
}
```

PROBLEMS OUTPUT TERMINAL ... Code + - - - - -

Salom Foundation33 bolalari. Qaley ishlar
Qaley Qaley
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7 – masala

```
7masala.c X
C 7masala.c > main()
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4
5
6 int main(){
7     system("cls");
8     int n = 10;
9     int i = 0, son, jar[i];
10    srand(time(0));
11    FILE *f7 = fopen("7masala.BIN", "wb");
12    for(int k = 0; k < n; k++){
13        son = rand()%50 + 1;
14        fwrite(&son, sizeof(int), 1, f7);
15    }
16    fclose(f7);
17
18    f7 = fopen("7masala.BIN", "rb");
19    int l;
20    while (fread(&l, sizeof(int), 1, f7)){
21        if(l % 2 == 0){
22            jar[i] = 1;
23            i++;
24        }
25    }
26    fclose(f7);
}
```

```

27
28     for(int n = 0; n < i - 1; n++){
29         for(int m = 0; m < i - n - 1; m++){
30             if(jar[m] < jar[m + 1]){
31                 l = jar[m];
32                 jar[m] = jar[m + 1];
33                 jar[m + 1] = l;
34             }
35         }
36     }
37     for(int t = 0; t < i; t++){
38         printf("%d\t", jar[t]);
39     }
40
41     return 0;
42 }

```

... PROBLEMS OUTPUT TERMINAL ... Code + - ... < X

```

36      28      18      12      4
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```

8 – masala

8masala.c

```

1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <time.h>
4
5
6  int main()
7  {
8      system("cls");
9      int n = 10;
10     int son, i = 0, toq[i];
11     srand(time(0));
12     FILE *f8 = fopen("8masala.BIN", "wb");
13     for(int k = 0; k < n; k++){
14         son = rand()%50 + 1;
15         fwrite(&son, sizeof(int), 1, f8);
16     }
17     fclose(f8);
18
19     f8 = fopen("8masala.BIN", "rb");
20     while(fread(&son, sizeof(int), 1, f8)){
21         if(son % 2 != 0){
22             toq[i] = son;
23             i++;
24         }
25     }
26     fclose(f8);

```

```

26
27     for(int k = 0; k < i - 1; k++){
28         for(int l = 0; l < i - k - 1; l++){
29             if(toq[l] < toq[l + 1]){
30                 son = toq[l];
31                 toq[l] = toq[l + 1];
32                 toq[l + 1] = son;
33             }
34         }
35     }
36     for(int k = 0; k < i; k++){
37         printf("%d\t", toq[k]);
38     }
39
40     return 0;
41 }

```

PROBLEMS OUTPUT TERMINAL ... Code + - - - - - < X

45 41 33 29 29 7 33

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9 – masala

```

C 9masala.c X
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4
5
6 int main(){
7     system("cls");
8     int son, n = 10, yig = 0;
9     srand(time(0));
10    FILE *f9 = fopen ("9masala.BIN", "wb");
11    for (int i = 0; i < n; i++){
12        son = rand()%20 +1;
13        printf("%d\t", son);
14        fwrite(&son, sizeof(int), 1, f9);
15    }
16    fclose(f9);
17    puts("\n");
18    f9 = fopen("9masala.BIN", "rb");
19    for (int i = 0; i < n; i++){
20        fread(&son, sizeof(int), 1, f9);
21        yig += son;
22    }
23    fclose(f9);
24    printf("fayl ichidagi nomalum sonlar yigindisi: %d", yig);
25
26    return 0;
27 }

```

PROBLEMS OUTPUT TERMINAL ... Code + - - - - - < X

19 19 12 8 1 12 18 4

20 10

fayl ichidagi nomalum sonlar yigindisi: 123

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