```
2 #define WAX 100
                                                                                                                             Enter 4 clements:
 3 - int main() (
        int arr[MAX], n - 0, choice, poc, value;
                                                                                                                             20
                                                                                                                             printf("Enter number of elements: ");
        scanf("Md", An);
                                                                                                                             --- Array Operactions Name ---
 п
        printf("Enter %d elements: \n", m);
10
        for (int 1 - 0: 1 + n: 1++)
                                                                                                                             2. Delete
                                                                                                                             3. Complay
11
            scanf("Md", Earr[1]);
12
        do (
                                                                                                                             4. Cut
11
            printf("\n--- Array Operations Henu ---\n");
                                                                                                                             Beter your choice: 1
14
            printf("1. Insertin2. Deletein3. Displayin4. Exitin");
                                                                                                                             Beter position to insert (0 to 4): 2
111
            printf("Enter your choice: ");
                                                                                                                             Beter value to insert: 20
14
            scanf("Md", &choice);
                                                                                                                             Element Inserted.
            mitch (choice) (
17
11
            case 1:
                                                                                                                             --- Array Operations Namu ---
                                                                                                                             1. Insert
19
                1f (n == MAX) (
20
                    printf("Array is fulllin");
                                                                                                                             2. Delete
                                                                                                                             3. Display
21
                    break;
22
                3
                                                                                                                             4. Extt
13
                printf("Enter position to insert (0 to %): ". m);
                                                                                                                             Enter your choice: 3
24
                scanf("Md", Apos);
                                                                                                                             Array elements: 10 28 29 30 40
25
                17 (pos < 0 || pos > n) {
76
                    printf("Invalid position[\n");
                                                                                                                             --- Array Operations News ---
77
                                                                                                                             1. Intert
                    break;
28
                                                                                                                             2. Belete
                                                                                                                             3. Display
29
                printf("Enter value to insert: ");
30
                scanf("Md", Avaime);
                                                                                                                             4. Eust
21
                for (int i - n; i > pos; i--)
                                                                                                                             Enter your choice: 2
12
                    arr[4] - arr[4 - 1];
                                                                                                                             Enter position to delete (0 to 4): 2
23
                err[pos] - value;
                                                                                                                             Element deleted.
34
                n--:
28
                printf("Element inserted.\n");
                                                                                                                             --- Array Operations Hens ---
34
                                                                                                                             1. Insert
37
                                                                                                                             2. Galete
31
                17 (n -- 0) (
                                                                                                                             3. Otaplay
310
                    printf('Array is emptylin');
                                                                                                                             4. Extt
40
                                                                                                                             Enter your choice: 3
41
                                                                                                                             Array claments: 10 30 30 40
42
                printf("Enter position to delete (0 to %d): ", m - 1);
.
                scanf("Md", Apos);
                                                                                                                             --- Array Operations Henu ---
44
                1f (pos < 0 || pos >- n) {
                                                                                                                             1. Insert
45
                    printf("Invalid position(\n");
                                                                                                                             2. Delete
46
                    break;
                                                                                                                             3. Display
47
                                                                                                                             4. Ent
48
                for (int 1 - pos; 1 < n - 1; 1↔)
                                                                                                                             Enter your choice:
49
                    arritl - arrit + 1);
50
51
                printf("Element deleted.\n");
52
                break;
9
           case 3:
54
                1f (n - 0)
55
                    printf("Array is empty.in");
56
                else (
57
                   printf("Array elements: ");
31
                    for (int 1 - 0; 1 < n; 1++)
111
                       printf("Md ", mrf(1));
80
                    printf("\n");
41
                3
41
                break;
.
64
                printf("Exiting program. in");
65
                break;
.
67
68
                printf("Invalid choice('in");
69
70
        ) while (choice !- 4);
71
72
        return 0;
```

والمستقدما والأنفا والسنا

Enter number of elements: 4

1 #include <stdio.h>

72 1