Assignment of Subjective questions

1. Write a C program to input elements in array and find frequency of each element in array.

Sample Output

Enter size of array: 10

Enter elements in array: 5

10

2

5

50

5

10

1

2

2

Frequency of all elements of array :

5 occurs 3 times

10 occurs 2 times

2 occurs 3 times

50 occurs 1 times

1 occurs 1 times

2. Write a C program to input elements in array and print all unique elements in array.

Sample Output

Enter size of array: 10

Enter elements in array: 1

2

3

5

1

5

20

2

12

10

Unique elements in the array are: 3 20 12 10

3. Write a C program to input elements in array from user and count duplicate elements in array.

Sample Output

Enter size of the array : 10

Enter elements in array : 1

10

20

1

25

1

10

30

25

1

Total number of duplicate elements found in array = 5

4. Write a C program to delete duplicate elements from array.

Sample Output

Enter size of the array : 10

Enter elements in array : 10

20

10

1

100

10

2

1

5

10

Array elements after deleting duplicates : 10

20 1 100 2 5

5. Write a C program to input elements in two array and merge two array to third array.

Sample Output

Enter the size of first array : 5

Enter elements in first array : 1

4

6

9

15

Enter the size of second array : 4

Enter elements in second array : 2

5

8

10

Array merged in ascending order : 1 2

4 5 6 8 9

10 15

6. Write a C program to input elements in array and find reverse of array.

Sample Output

Enter size of the array: 5

Enter elements in array: 10

5

16

35

500

Array in reverse order: 500 35 16

5 10

7. Write a C program to input elements in array and put even and odd elements in separate array.

Sample Output

Enter size of the array: 10

Enter elements in the array: 0

1

2

3

4

5

6

7

8

9

Elements of even array:

0

2

4

6

8

Elements of odd array:

1

3

5

7

9

8. Write a C program to input elements in array and search whether an element exists in array or not.

Sample Output

Enter size of array: 10

Enter elements in array: 10

12

20

25

13

10

9

40

60

5

Enter element to search: 25

25 is found at position 4

9. Write a C program to input elements in array and sort array elements in ascending or descending order.

Sample Output

Enter size of array: 10

Enter elements in array: 20

2

10

6

52

31

0

45

79

40

Elements of array in ascending order: 0 2

6 10 20 31 40

45 52 79