```
1.array largest element c assi 1.cpp
 1 #include <stdio.h>
 2
 3 □ int main() {
 4
        int arr[5] = {12, 56, 34, 78, 100};
 5
        int largest = arr[0];
 6 🛱
        for (int i = 1; i < 5; i++) {
 7 🛱
            if (arr[i] > largest) {
 8
                largest = arr[i];
 9
10
        printf("The largest element in the array is: %d", largest);
11
12
        return 0;
13
                                                                                            © C:\Users\91961\Documents\1.i ×
                                  The largest element in the array is: 100
                                  Process exited after 4.171 seconds with return value 0
                                  Press any key to continue . . .
```

```
// Find the largest two numbers in the array
if(arr[0] > arr[1]) {
   first = arr[0];
   second = arr[1];
                      else if(arr[i] > second && arr[i] != first) {

| second = arr[i];
}
                // Print the largest two numbers in the array
printf("The FIRST LARGEST = %d\n", first);
printf("THE SECOND LARGEST = %d\n", second);
return 0;
```

2.largest two numbers ass 2.cpp ×

```
© C:\Users\91961\Documents\2. × + v
Enter the number of elements: 8
Enter 8 elements:
34 64 78 67 59 48 23 56
The FIRST LARGEST = 78
THE SECOND LARGEST = 67
Process exited after 148.4 seconds with return value 0
Press any key to continue . . .
```

```
4.maximum difference ass 2.cpp ×
1 #include <stdio.h>
int array[] = {10, 15, 90, 200, 110};
int n = sizeof(array) / sizeof(int);
int max_diff = array[1] - array[0];
                                                                  © C:\Users\91961\Documents\4. × + ~
6
7
          int min_elem = array[0];
                                                                 The maximum difference between two elements in the array is 190
8
9
10
早
          for (int i = 1; i < n; i++) {
    if (array[i] - min_elem > max_diff) {
        max_diff = array[i] - min_elem;
}
11
12
                                                                 Process exited after 1.469 seconds with return value 0
                                                                 Press any key to continue . . .
              if (array[i] < min_elem) {
    min_elem = array[i];</pre>
13 🛱
14
15 -
16 -
17
17
18
19
20
21
          printf("The maximum difference between two elements in the array is %d\n", max_diff);
          return 0;
```

```
Seven assi 2.cpp ×

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##
```

```
7.maximum and minimum.cpp ×

#include <stdio.h>

#include <stdio.h

#include <stdio.h>

#include <stdio.h

#include <std>#include <std #include <std>#include <std #include <std
```

```
8.size ass 2.cpp X
1 #include <stdio.h>
                                                                                                                     Close tab (Ctrl+F4)
                                                                                                                                                                                 ©:\ C:\Users\91961\Documents\8. X
           printf("Enter the size of the array: ");
scanf("%d", &size);
           printf("Enter the elements of the array:\n");
for (i = 0; i < size; i++) {
    scanf("%d", &arr[i]);
    freq[i] = -1;
}</pre>
                                                                                 Enter the size of the array: 3 Enter the elements of the array:
                                                                                 8
                                                                                 7
                                                                                 9
           Frequency of all elements of array:
8 occurs 1 times
7 occurs 1 times
                                                                                 9 occurs 1 times
                                                                                 Process exited after 23.13 seconds with return value 0
           printf("Frequency of all elements of array:\n");
for (i = 0; i < size; i++) {
   if (freq[i] != 0) {
        printf("%d occurs %d times\n", arr[i], freq[i]);
   }
}</pre>
                                                                                 Press any key to continue . . .
```

```
\blacksquare C:\Users\91961\Documents\9. 	imes + 	imes
                                                                                                             Enter the value of N: 5
           printf("Enter the value of N: ");
scanf("%d", &n);
                                                                                                             Enter the numbers:
          printf("Enter the numbers:\n");
for(i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
}</pre>
                                                                                                             234
                                                                                                             780
                                                                                                             130
                                                                                                             56
           // sorting the array in descending order
for(i = 0; i < n; i++) {
    for(j = i+1; j < n; j++) {
        if(arr[i] < arr[j]) {
            temp = arr[i];
            arr[i] = arr[j];
            arr[j] = temp;
    }
                                                                                                             90
                                                                                                             The numbers arranged in descending order are given below:
                                                                                                             780
                                                                                                             234
                                                                                                             130
                                                                                                             90
                                                                                                             56
           printf("The numbers arranged in descending order are given below:\n");
for(i = 0; i < n; i++) {
    printf("%d\n", arr[i]);</pre>
                                                                                                             Process exited after 69.73 seconds with return value 0
                                                                                                             Press any key to continue . . .
```

9.sort array assi 2.cpp ×

```
10. concatenating two strings.cpp
1 #include <stdio.h>
2 #include <string.h>
3
4 = int main() {
          char str1[100], str2[100];
                                                                                                                                                                                                \stackrel{\text{\tiny C1}}{} C:\Users\91961\Documents\10 \times + \vee
         printf("Enter the first string: ");
fgets(str1, 100, stdin);
str1[strcspn(str1, "\n")] = 0; // remove newline character
                                                                                                  Enter the first string: "sanfoundry"
Enter the second string: "programming"
Concatenated string: "sanfoundry""programming"
8
9
10
          printf("Enter the second string: ");
fgets(str2, 100, stdin);
str2[strcspn(str2, "\n")] = 0; // remove newline character
11
12
13
                                                                                                  Process exited after 88.48 seconds with return value 0
                                                                                                  Press any key to continue . . .
14
15
          strcat(str1, str2);
printf("Concatenated string: %s", str1);
16
17
18
          return 0;
19 [
```