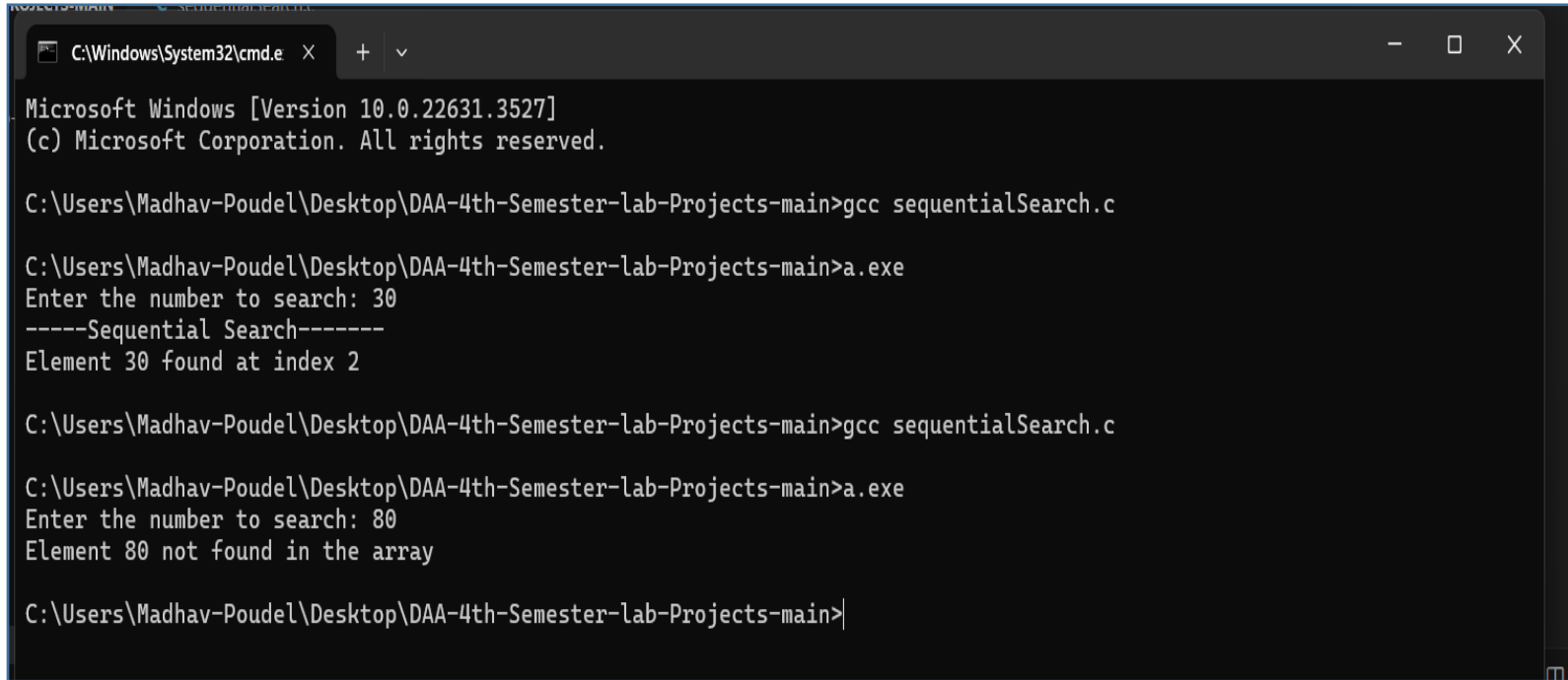


1. Output of Sequential Search:



```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc sequentialSearch.c

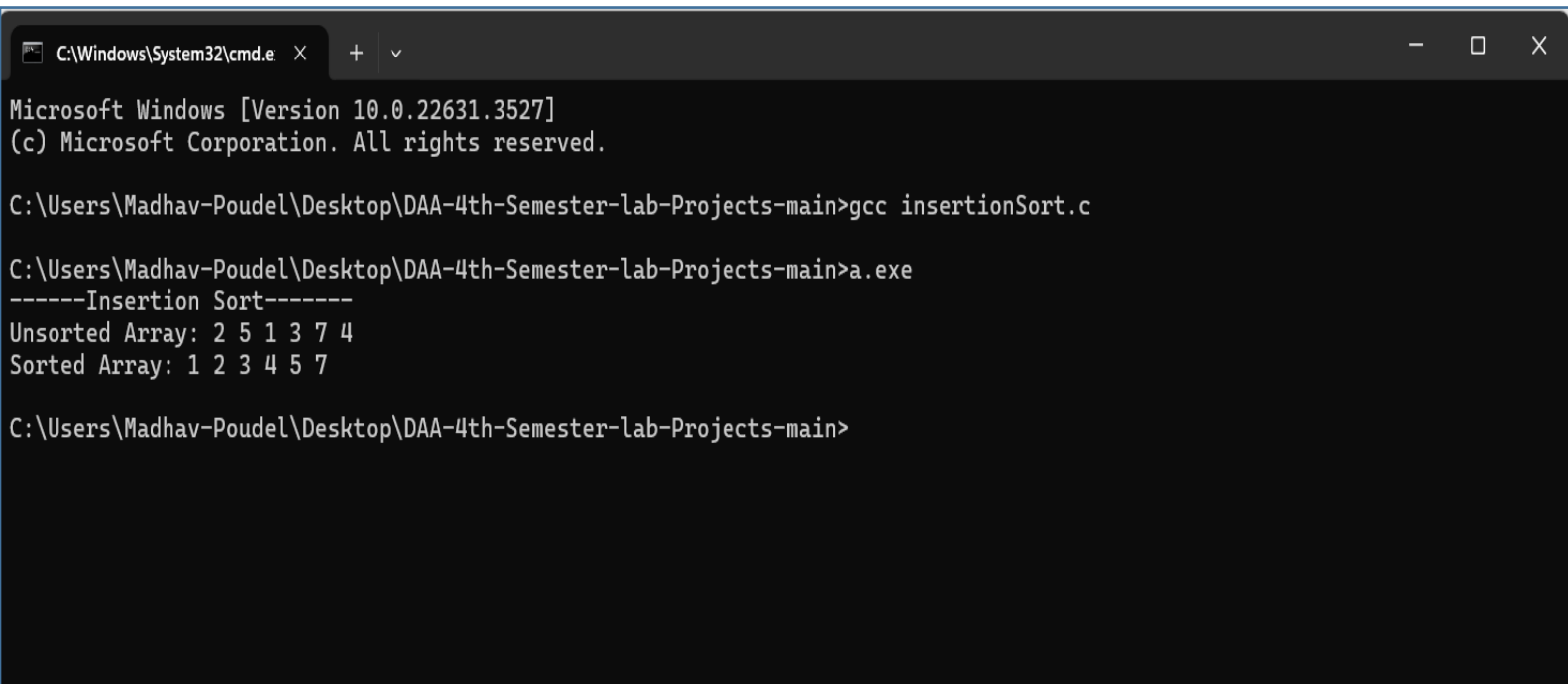
C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
Enter the number to search: 30
-----Sequential Search-----
Element 30 found at index 2

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc sequentialSearch.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
Enter the number to search: 80
Element 80 not found in the array

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

2. Output of Insertion Sort:



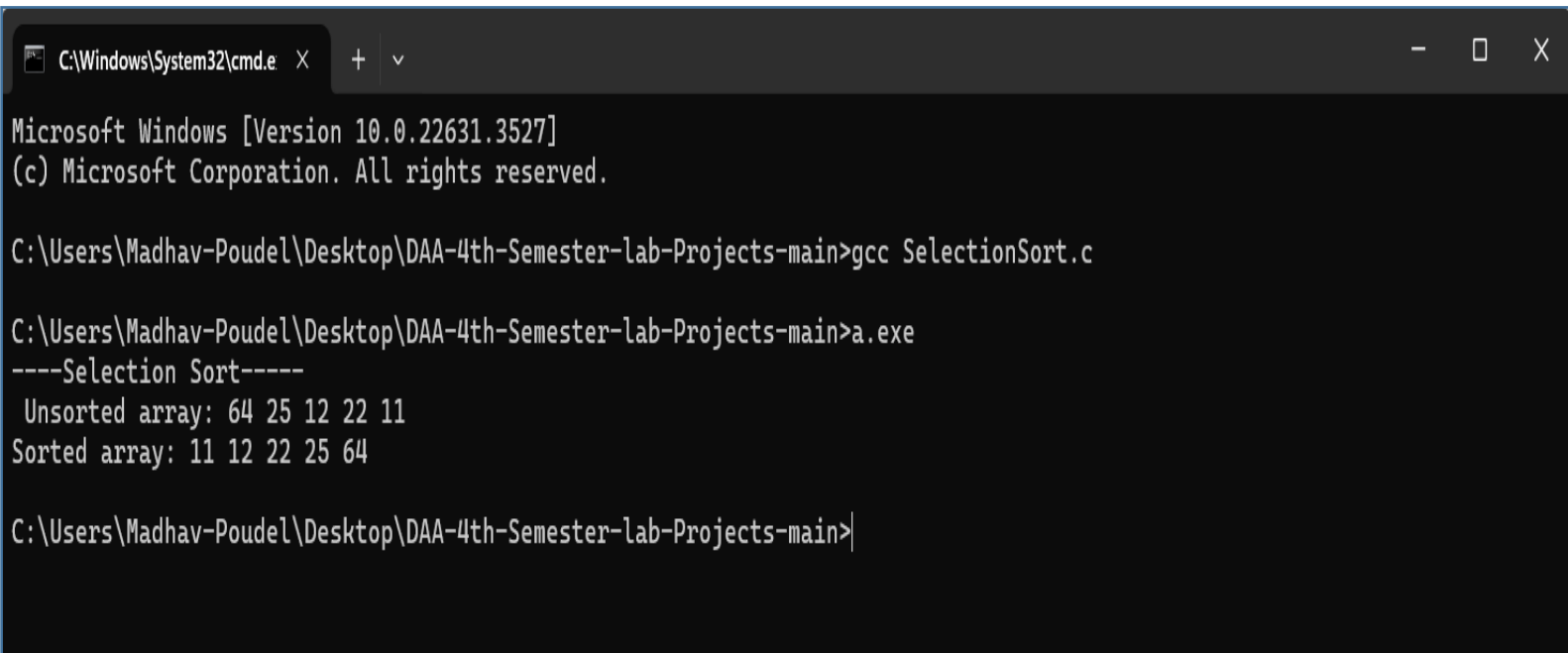
```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc insertionSort.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
-----Insertion Sort-----
Unsorted Array: 2 5 1 3 7 4
Sorted Array: 1 2 3 4 5 7

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

3. Output of Selection Sort:



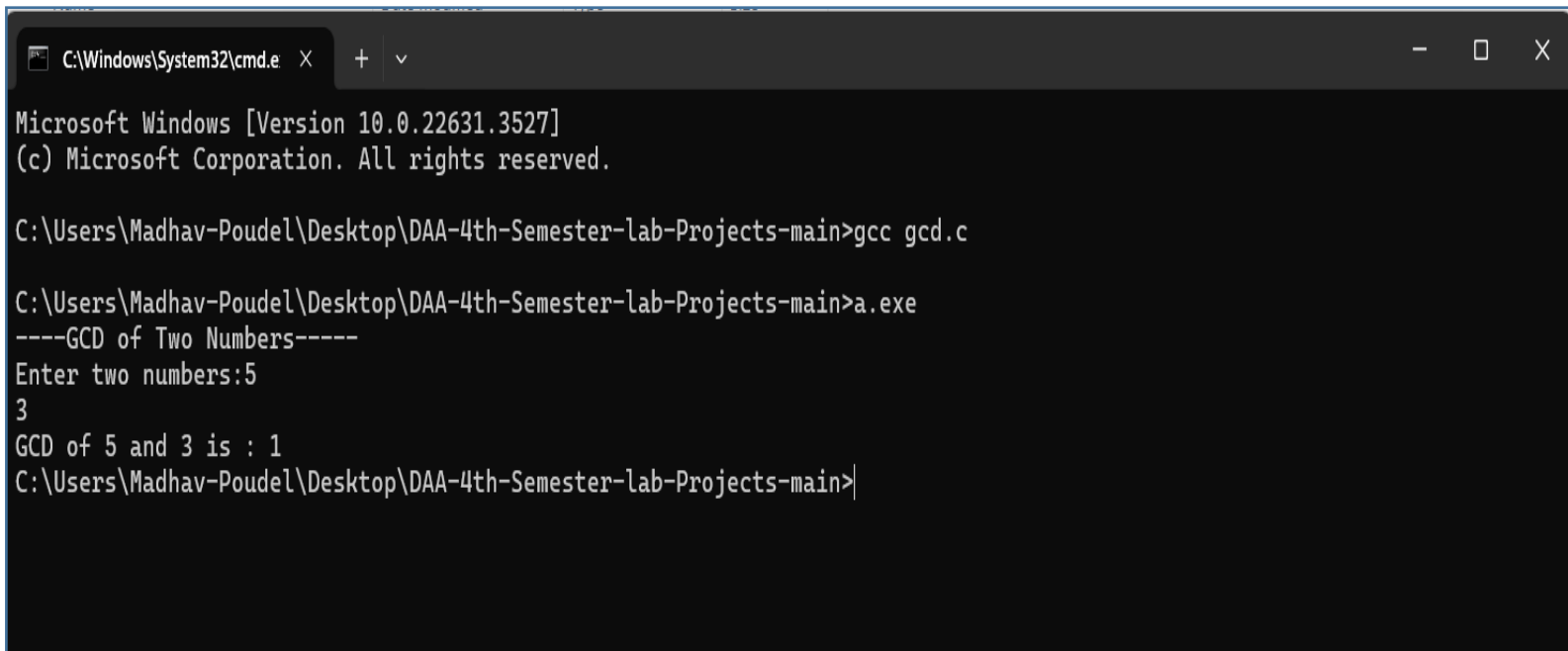
```
C:\Windows\System32\cmd.e X + v
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc SelectionSort.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----Selection Sort-----
Unsorted array: 64 25 12 22 11
Sorted array: 11 12 22 25 64

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

4. Output of GCD of Two Numbers:

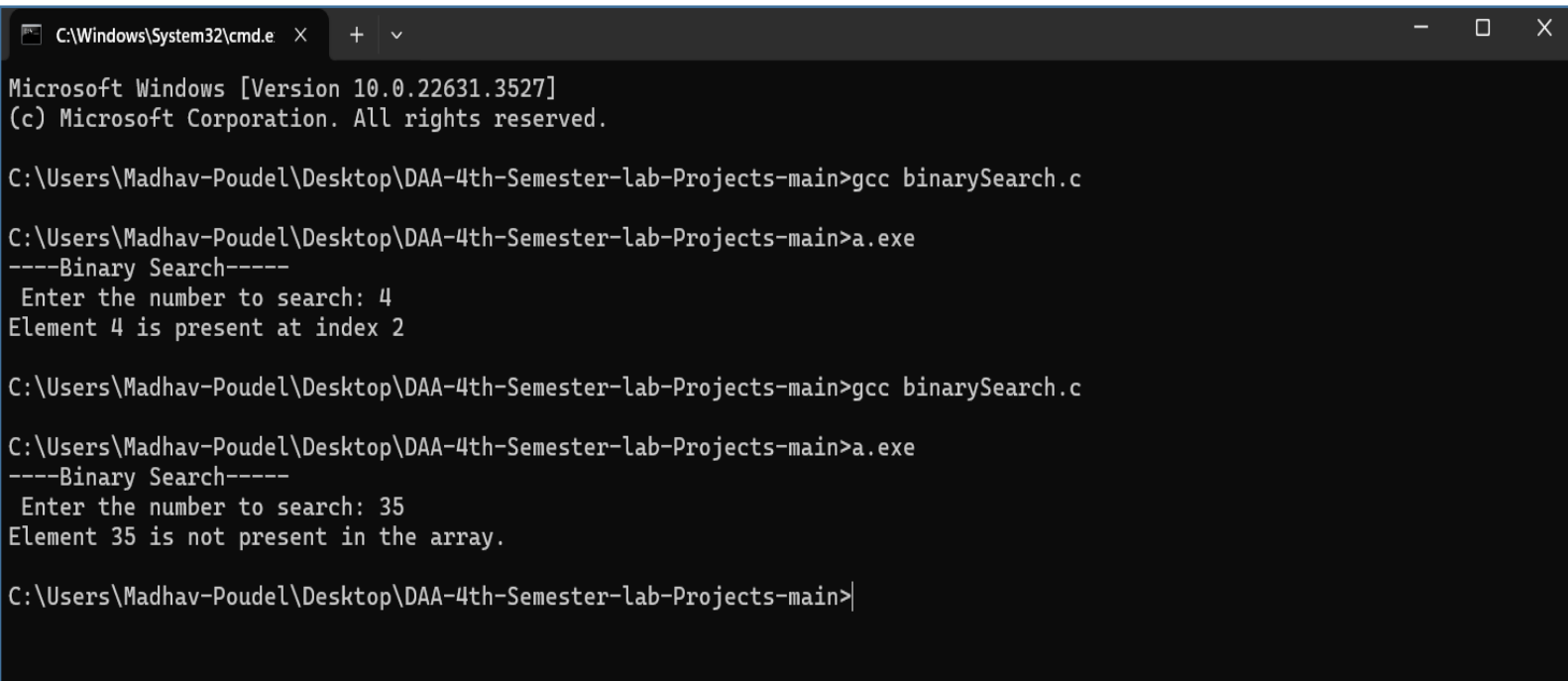


```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc gcd.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----GCD of Two Numbers-----
Enter two numbers:5
3
GCD of 5 and 3 is : 1
C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

5. Output of Binary Search:



```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc binarySearch.c

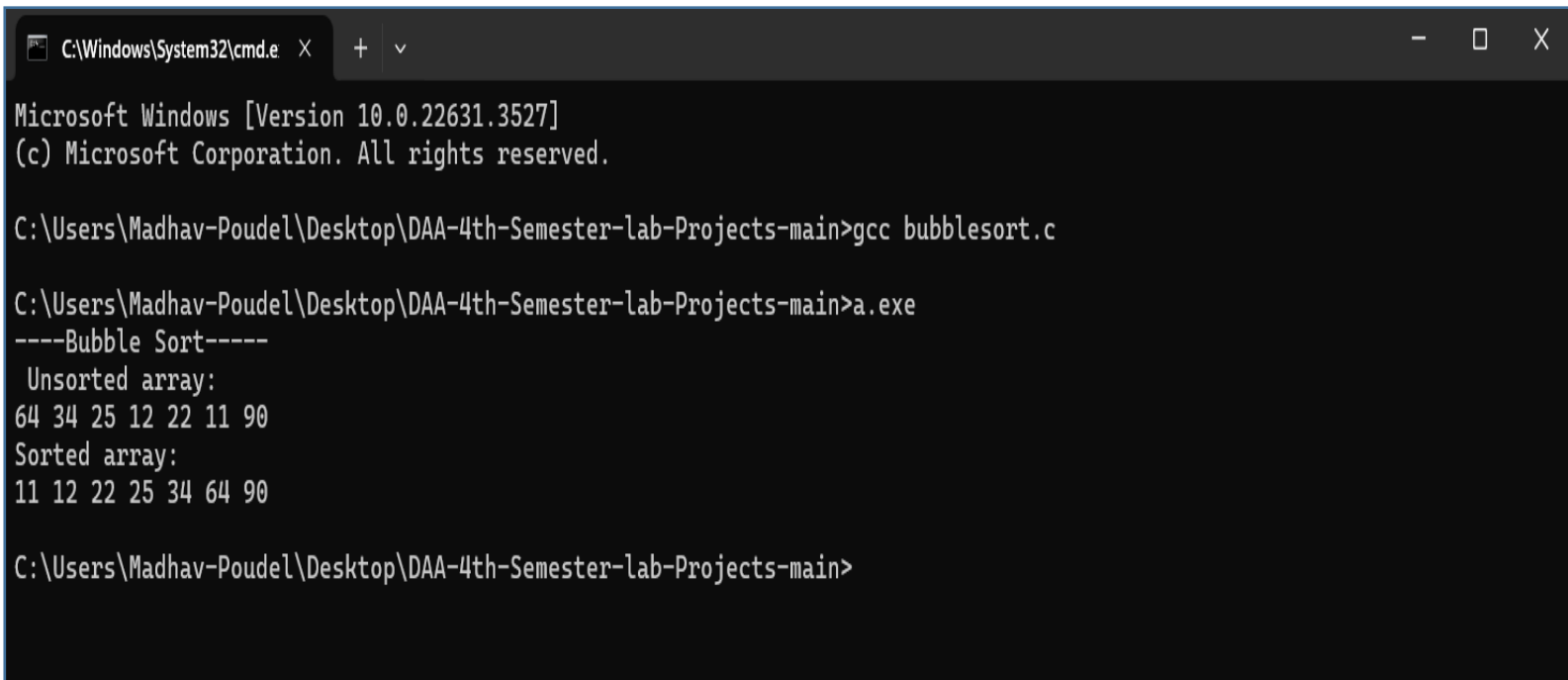
C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----Binary Search-----
Enter the number to search: 4
Element 4 is present at index 2

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc binarySearch.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----Binary Search-----
Enter the number to search: 35
Element 35 is not present in the array.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>|
```

6. Output of Bubble Sort:



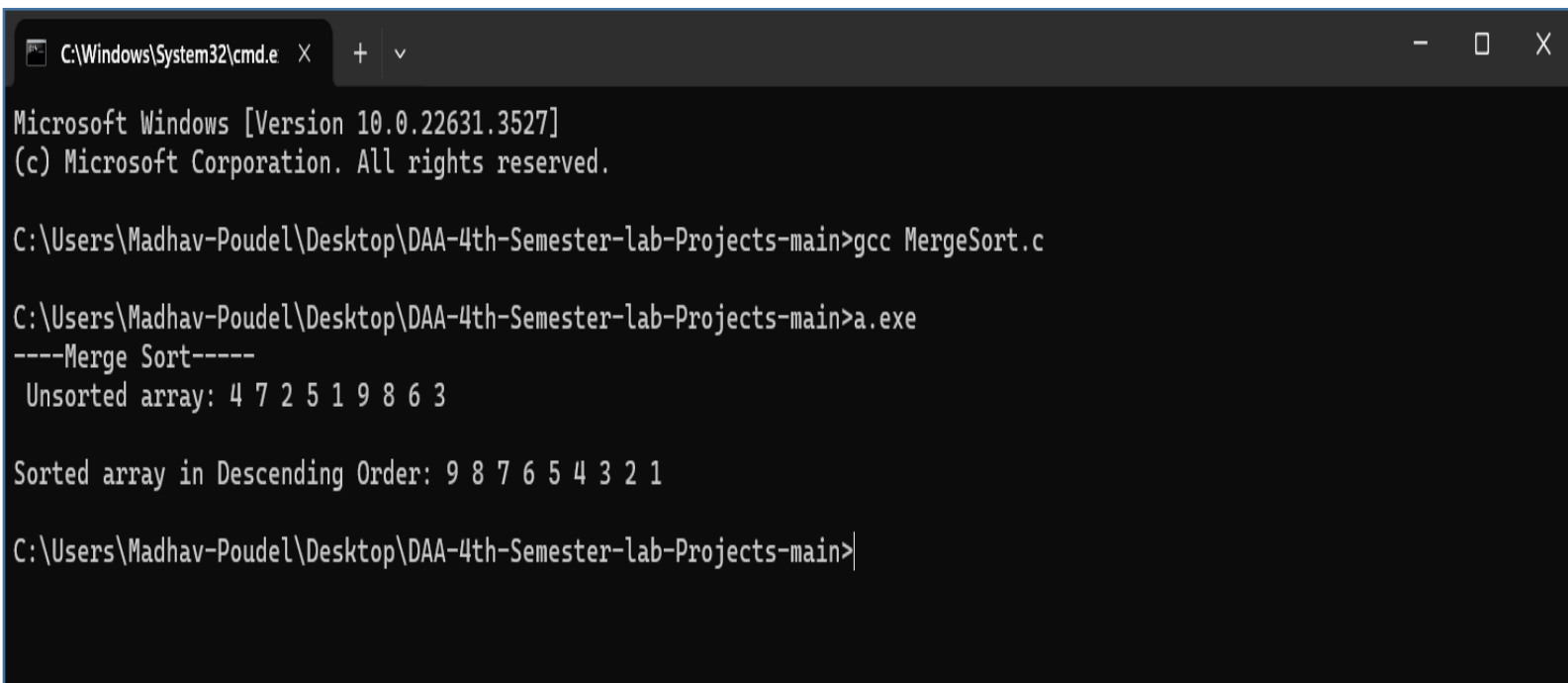
```
C:\Windows\System32\cmd.e  X + v
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc bubblesort.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----Bubble Sort-----
  Unsorted array:
64 34 25 12 22 11 90
Sorted array:
11 12 22 25 34 64 90

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

7. Output of Merge Sort in Descending Order:



```
C:\Windows\System32\cmd.e X + v
Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

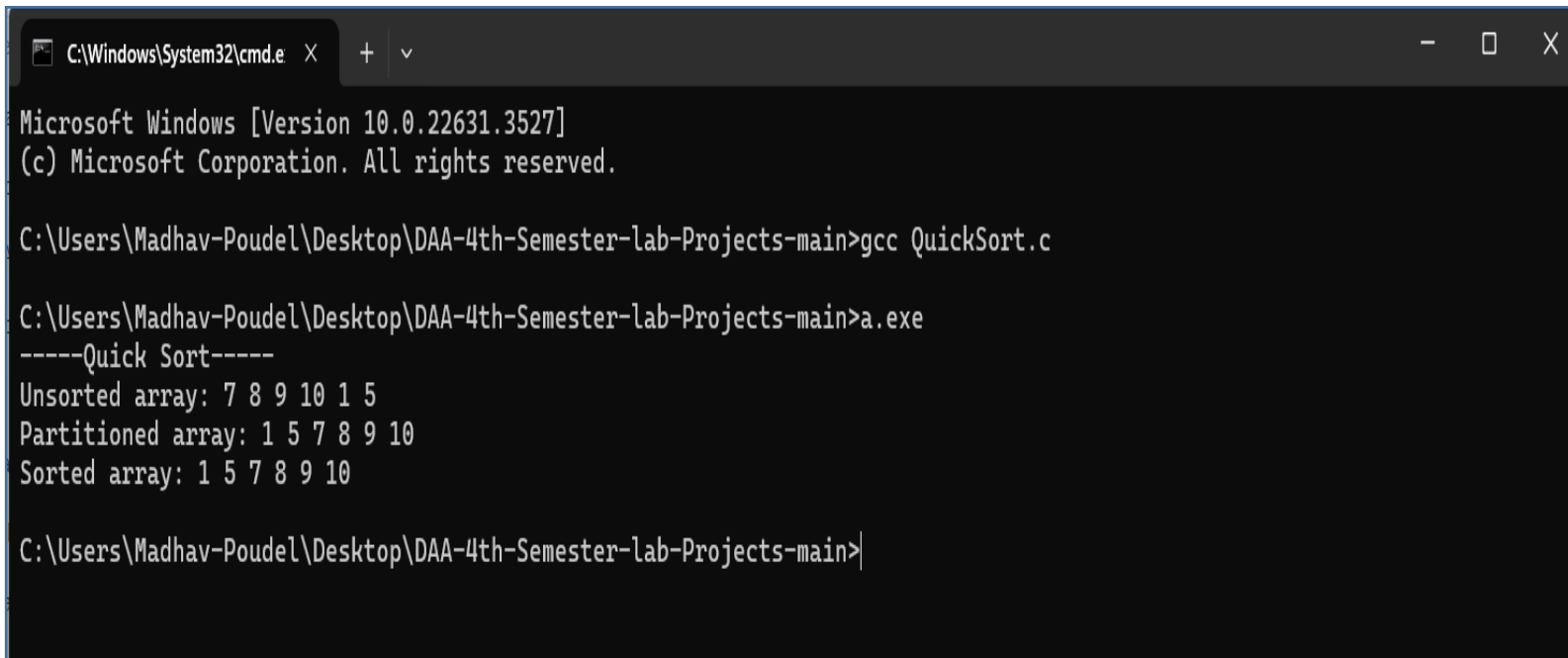
C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc MergeSort.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
----Merge Sort-----
Unsorted array: 4 7 2 5 1 9 8 6 3

Sorted array in Descending Order: 9 8 7 6 5 4 3 2 1

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```

8. Output of Quick Sort:



```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.22631.3527]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>gcc QuickSort.c

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>a.exe
-----Quick Sort-----
Unsorted array: 7 8 9 10 1 5
Partitioned array: 1 5 7 8 9 10
Sorted array: 1 5 7 8 9 10

C:\Users\Madhav-Poudel\Desktop\DAA-4th-Semester-lab-Projects-main>
```