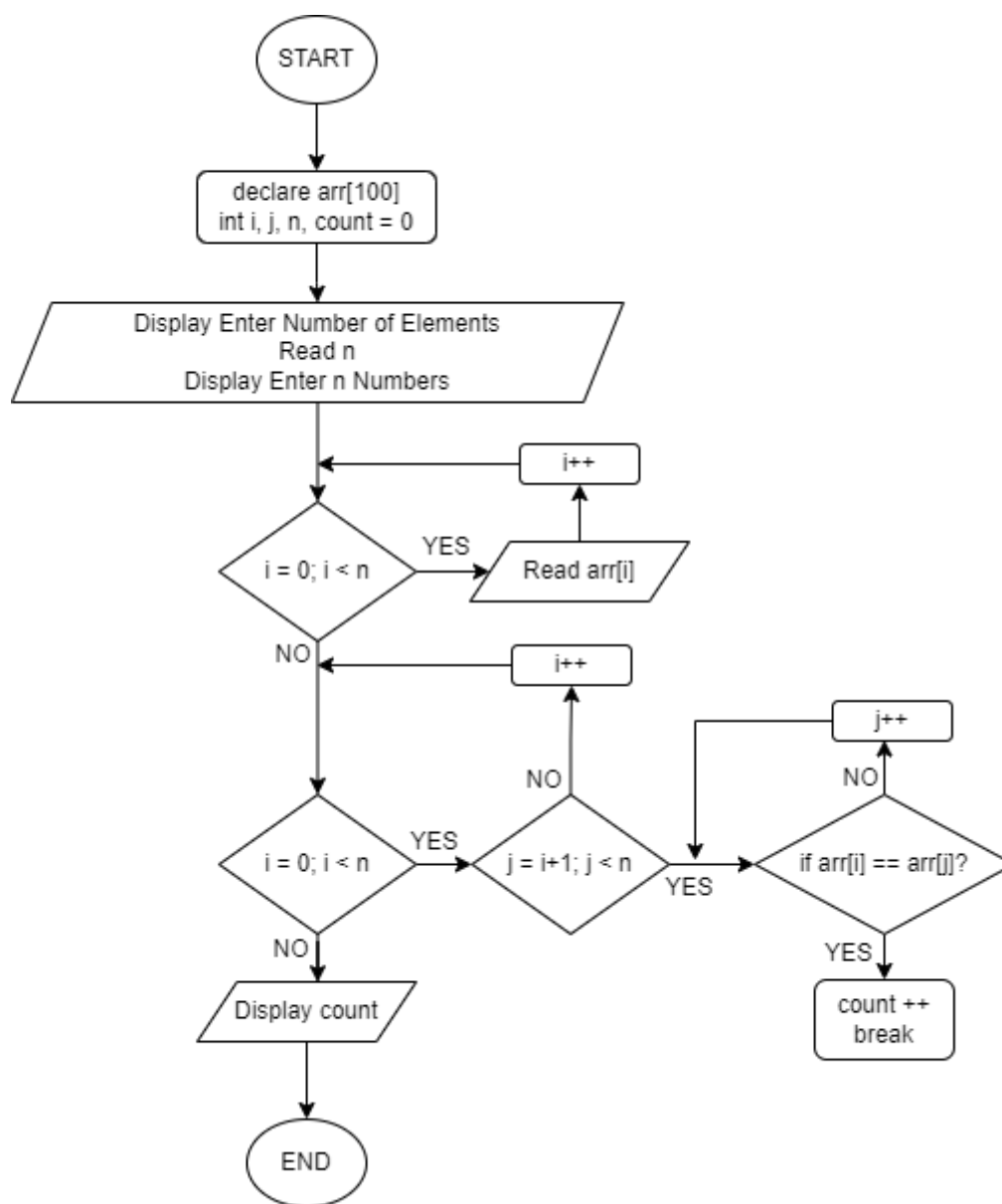# Problem – 1

1. TITLE OF THE LAB EXPERIMENT

Write a program in C to count a total number of duplicate elements in an array.

2. OBJECTIVES
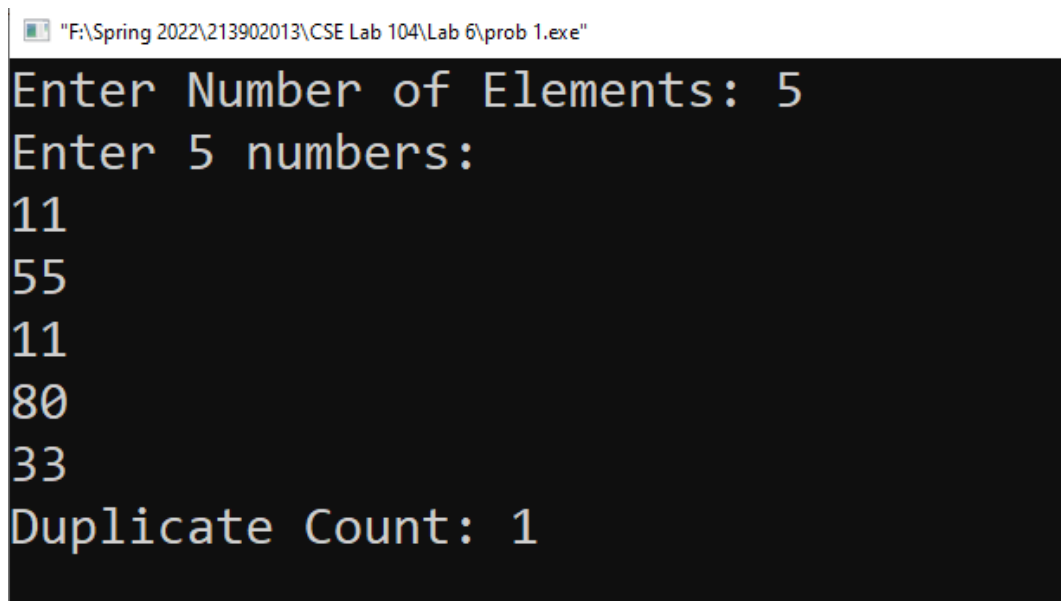
Here we are trying to find the duplicate elements in an array.

3. PROCEDURE

Flow chart -

5. TEST RESULT


```
"F:\Spring 2022\213902013\CSE Lab 104\Lab 6\prob 1.exe"
Enter Number of Elements: 5
Enter 5 numbers:
11
55
11
80
33
Duplicate Count: 1
```

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

 ● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:

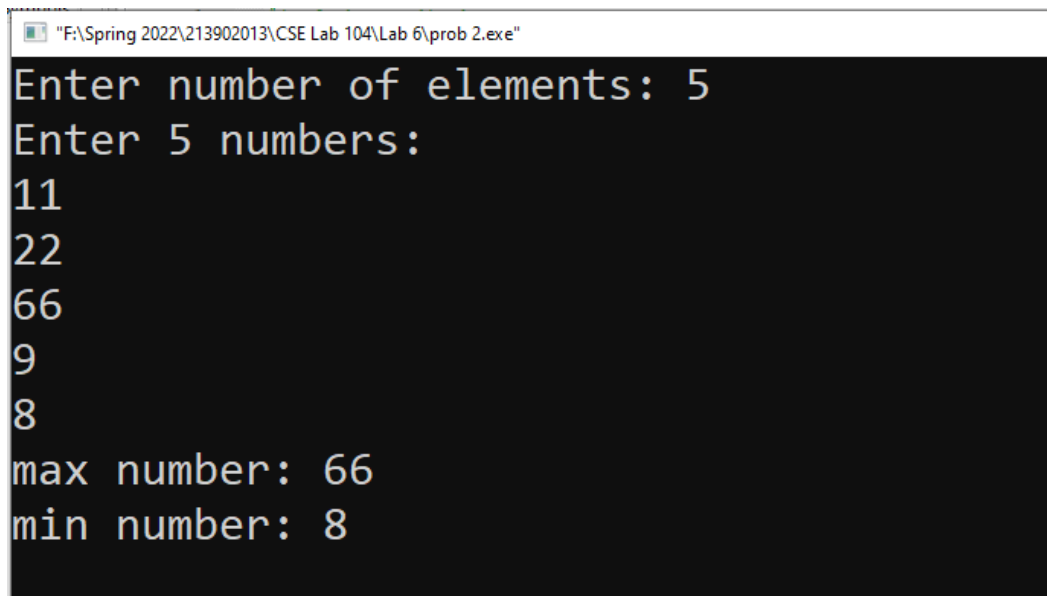We have completed the program by using C.

Problem – 2

1. TITLE OF THE LAB EXPERIMENT

Write a program in C to find the maximum and minimum element in an array.

2. OBJECTIVES

Here we are trying to find out the maximum and minimum element in an array.

5. TEST RESULT

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:

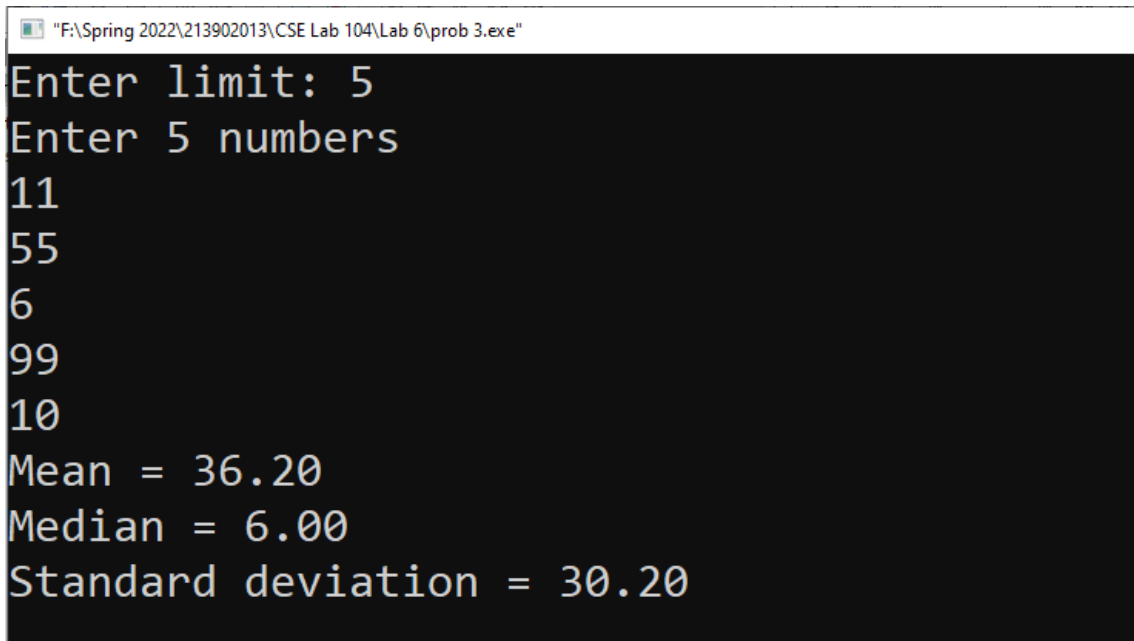We have completed the program by using C.

Problem – 3

1. TITLE OF THE LAB EXPERIMENT

Write a C Program to Calculate mean, median and Standard Deviation.

2. OBJECTIVES

Here we are trying to calculate the average, mean and standard deviation of the array provided by the user.

5. TEST RESULT

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

 ● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:

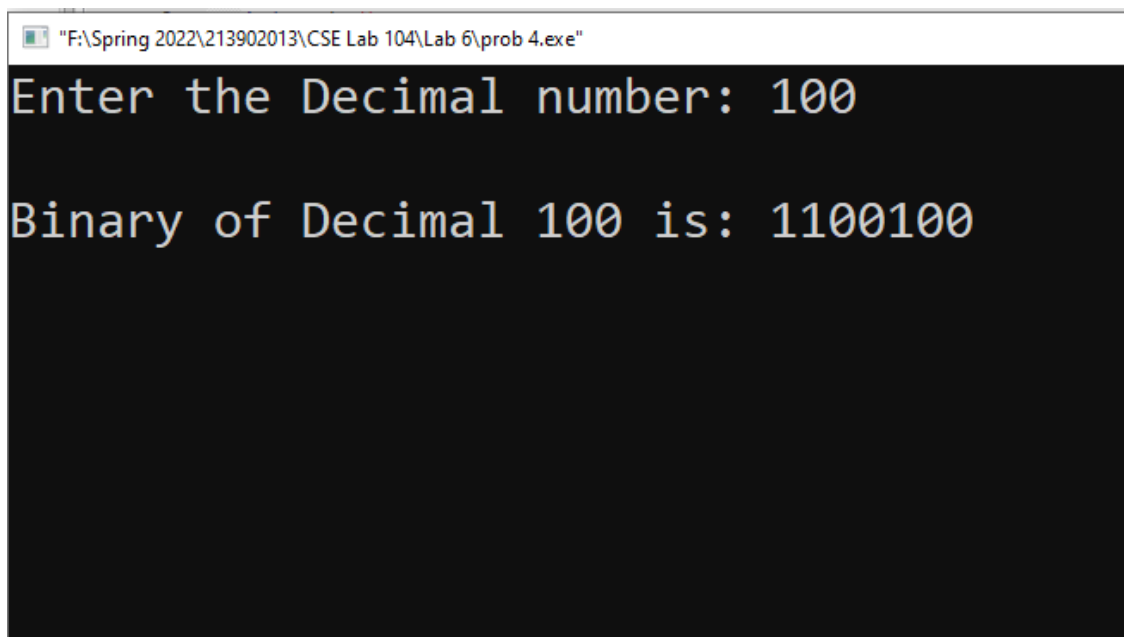We have completed the program by using C.

Problem – 4

1. TITLE OF THE LAB EXPERIMENT

Write a C program to convert Decimal to Binary number system.

2. OBJECTIVES

Here we are trying to convert a Decimal number to Binary number.

5. TEST RESULT


```
■ "F:\Spring 2022\213902013\CSE Lab 104\Lab 6\prob 4.exe"
Enter the Decimal number: 100

Binary of Decimal 100 is: 1100100
```

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

 ● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:
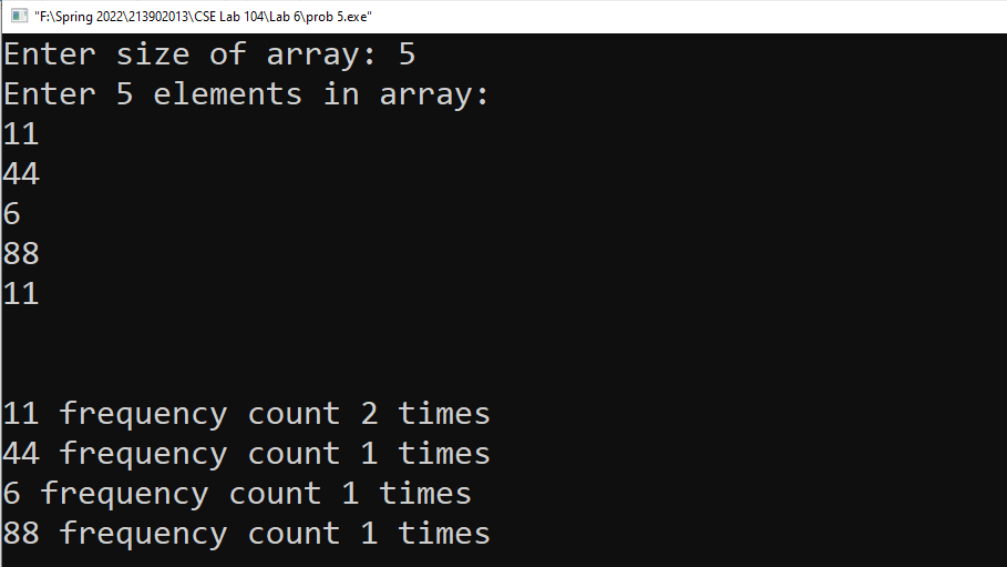
We have completed the program by using C.

Problem – 5

1. TITLE OF THE LAB EXPERIMENT

Write a C program to count frequency of each element in an array.

2. OBJECTIVES

Here we are trying to count frequency of each element in an array.

5. TEST RESULT

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

 ● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:

We have completed the program by using C.

Problem – 6

1. TITLE OF THE LAB EXPERIMENT

Write a C Program to Find Transpose of a Matrix.

2. OBJECTIVES

Here we are trying to Find Transpose of a Matrix

.

5. TEST RESULT

"F:\Spring 2022\213902013\CSE Lab 104\Lab 6\prob 6.exe"
```
Enter row: 2
Enter column: 3


A[0][0]=2
A[0][1]=3
A[0][2]=6
A[1][0]=1
A[1][1]=2
A[1][2]=5

[A]=
        2 3 6
        1 2 5


Transpose of [A]=
        2 1
        3 2
        6 5
```

6. ANALYSIS AND DISCUSSION

● We got the correct output.

● To complete this assignment we did not face any problems.

 ● We learned some of the basics of the C program from it.

● We have solved the problem.

7. SUMMARY:

We have completed the program by using C.