Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year:2022), B.Sc. in CSE (Day)

LAB REPORT NO #03
Course Title: Structure Programming Lab
Course Code: CSE 104   Section: DA

Lab Experiment Name: Decision making by If-else statement and switch case statement in C.

Student Details

Name	ID
Md. Kawsar Ahamed	213902013

Lab Date   : 22 February 2022
Submission Date   : 1 March 2022
Course Teacher's Name   : Md. Solaiman Mia

[For Teachers use only: Don't Write Anything inside this box]
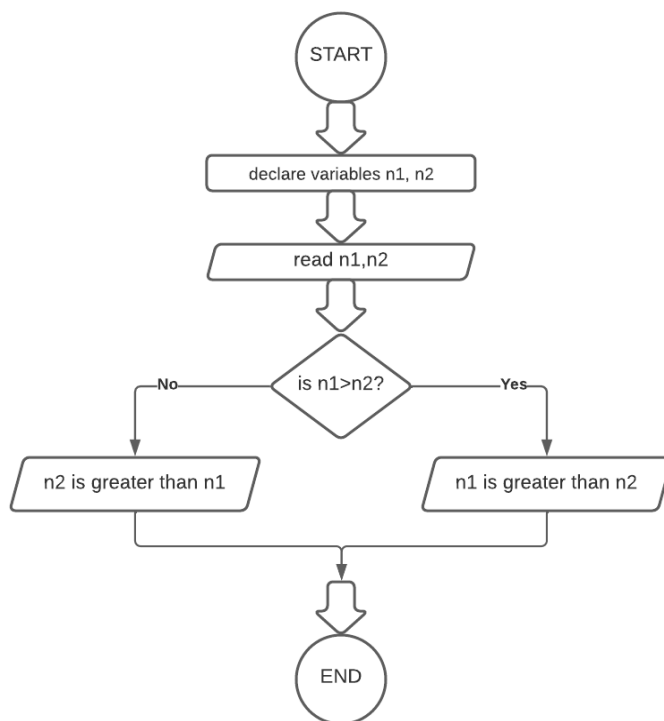
Problem - 1

1. TITLE OF THE LAB EXPERIMENT
Write a C program to find the maximum between two numbers.

2. OBJECTIVES
Here we are trying to find the maximum number between two numbers given by the user.

3. PROCEDURE
Flowchart-

4. TEST RESULT
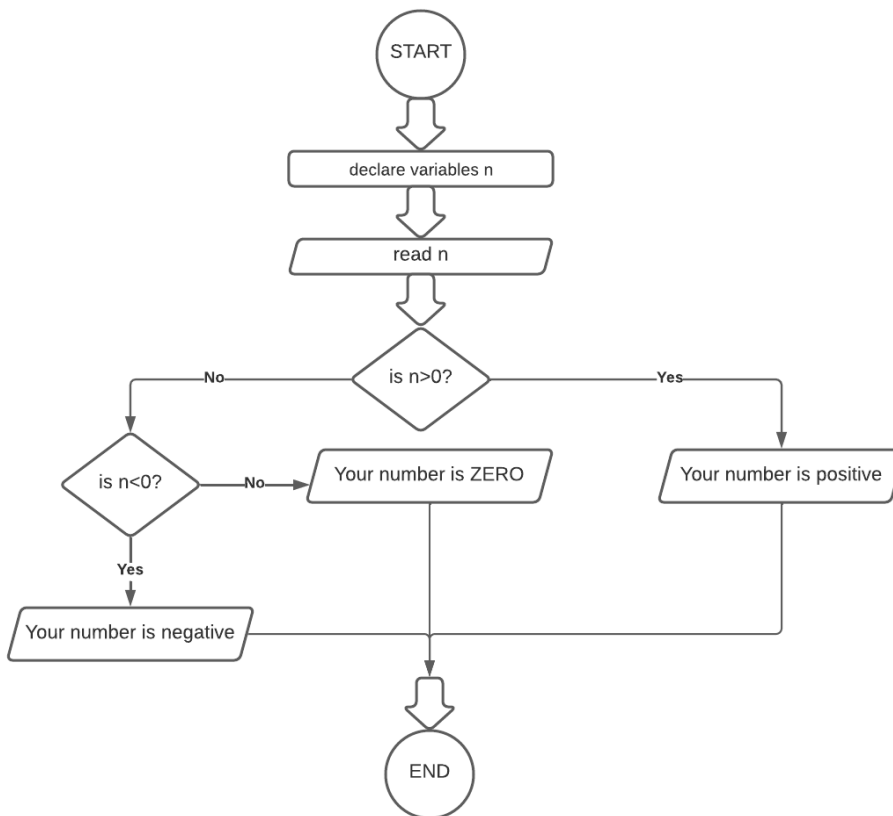
Problem - 2

1. TITLE OF THE LAB EXPERIMENT
Write a C program to check whether a number is negative, positive or zero.

2. OBJECTIVES
Here we will check a number that was given by the user to check is positive or negative.

3. PROCEDURE
Flowchart-

4. TEST RESULT


```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Number is negative, positive or zero.exe"
Enter your integer number: 11
your 11 number is positive
```



```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Number is negative, positive or zero.exe"
Enter your integer number: -4
Your -4 number is negative
```
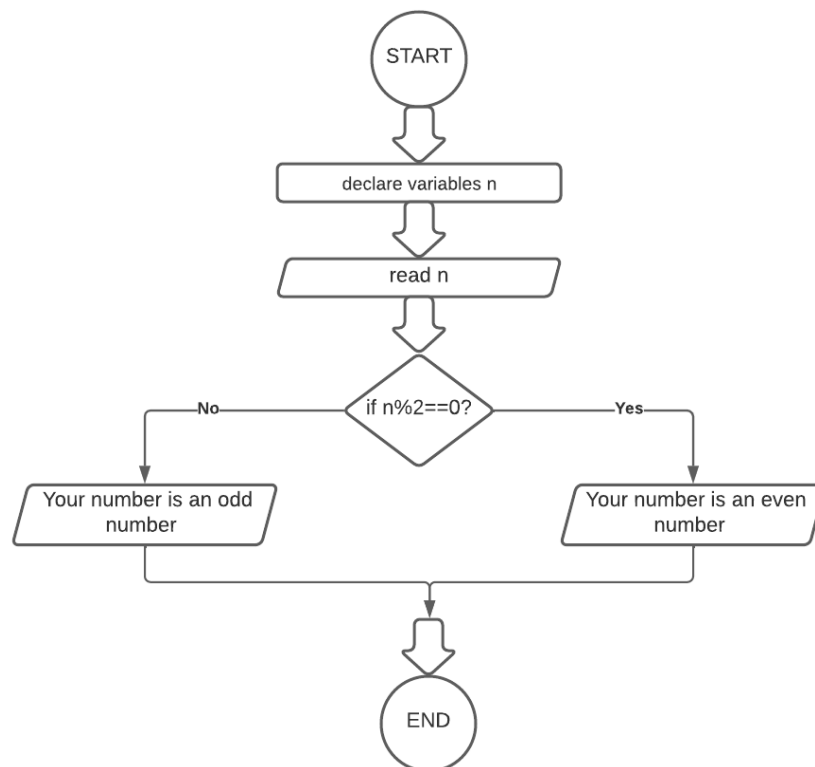
Problem - 3

1. TITLE OF THE LAB EXPERIMENT
Write a C program to check whether a given number is odd or even.

2. OBJECTIVES
Here we will check whether the number given by the user is even or odd

3. PROCEDURE
Flowchart-

4. TEST RESULT


```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Number is odd or even.exe
Enter a integer number: 15
Your 15 is an odd number
```

```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Number is odd or even.exe"
Enter a integer number: 10
Your 10 is an even number
```

Problem - 4
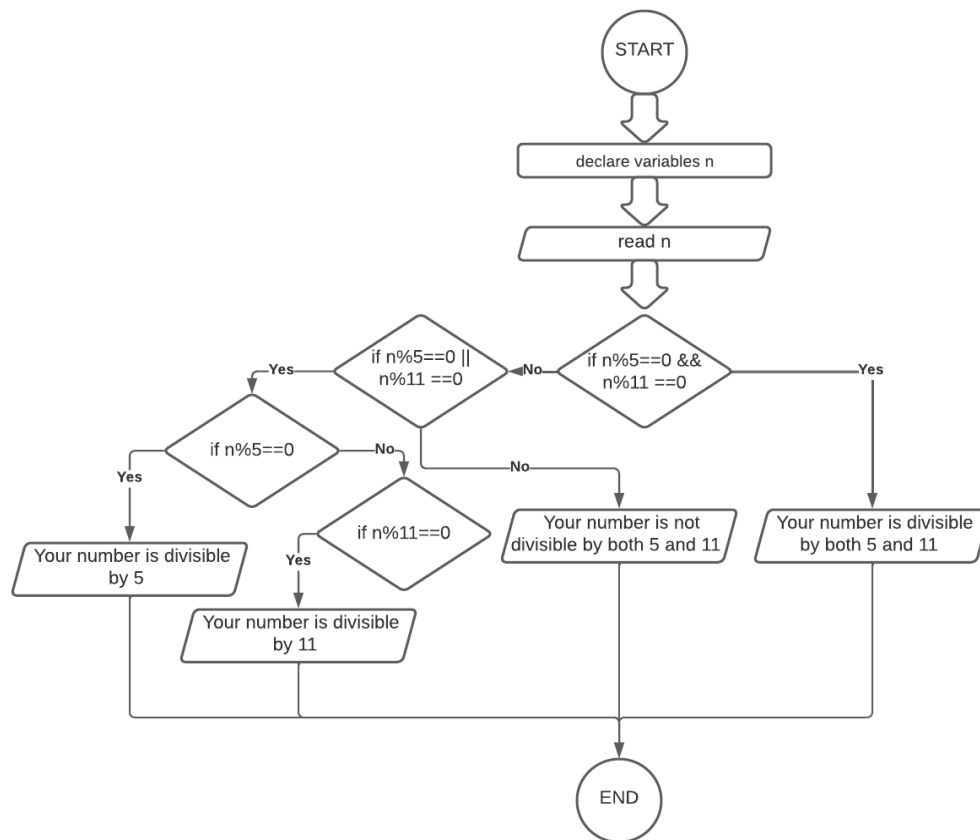
1. TITLE OF THE LAB EXPERIMENT
Write a C program to check whether a number is divisible by 5 and 11 or not.

2. OBJECTIVES
Here we will check whether the number given by the user is divisible by 5 and 11 or not.

3. PROCEDURE
Flowchart-

4. TEST RESULT
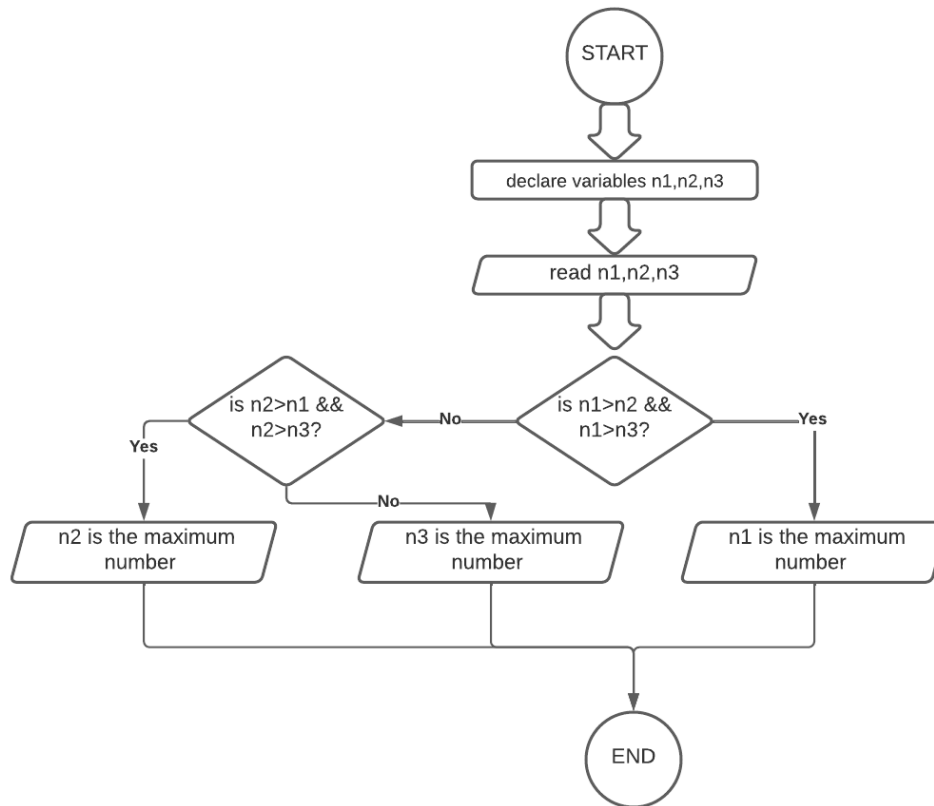
Problem - 5

1. TITLE OF THE LAB EXPERIMENT
Write a C program to find a maximum between three numbers.

2. OBJECTIVES
Here we are trying to find the maximum number between three numbers given by the user.

3. PROCEDURE
Flowchart-

4. TEST RESULT

Problem - 6

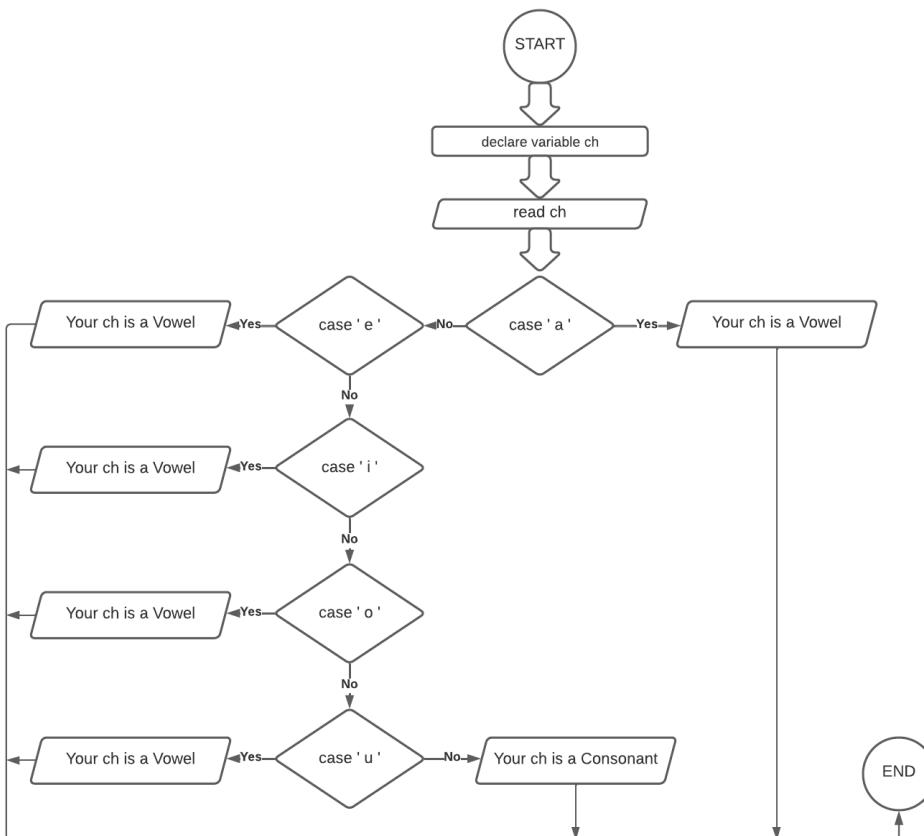## 1. TITLE OF THE LAB EXPERIMENT

Write a Program to take the value from the user as input any alphabet and check whether it is vowel or consonant (Using the switch statement).

2. OBJECTIVES

Here we are trying to find the user's given letter as a vowel or consonant by using the switch case statement.

3. PROCEDURE

Flowchart-

4. TEST RESULT


```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Vowel or consonant.exe"

Enter a letter: e
Your 'e' is a Vowel
```



```
"H:\GUB\C Programming\213902013 Kawsar Sagor\CSE 104\Lab 3\Vowel or consonant.exe"

Enter a letter: s
Your 's' is a Consonant
```

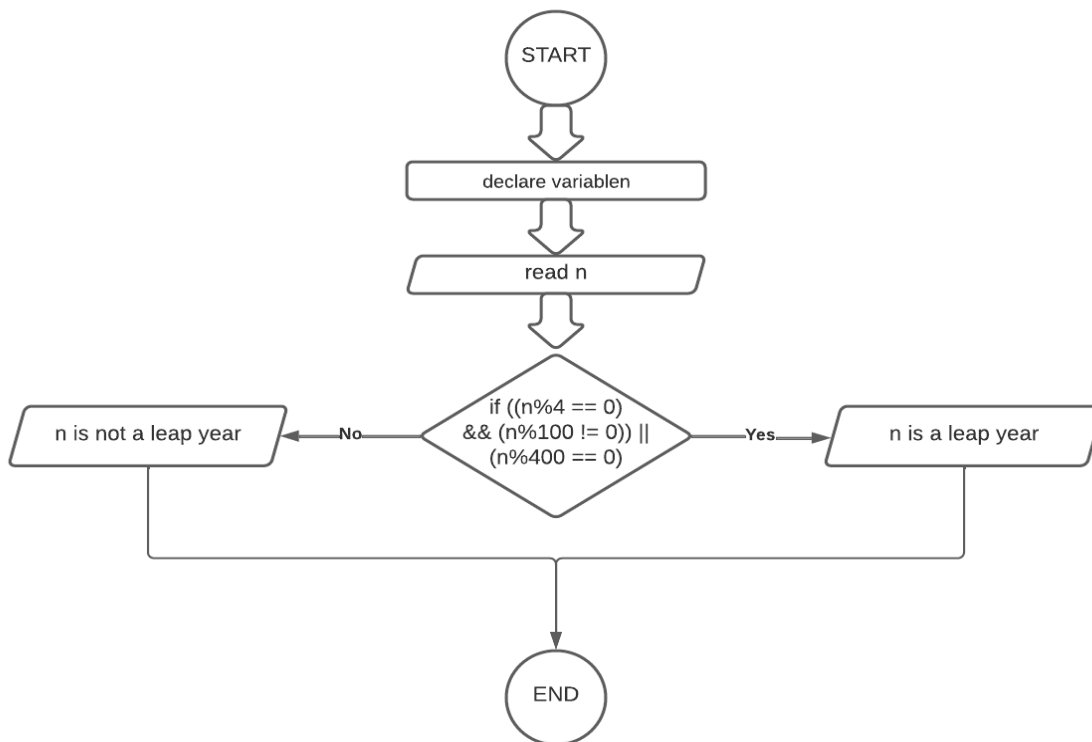# Problem - 7

1. TITLE OF THE LAB EXPERIMENT
Write a C program to check whether a year is a leap year or not.

2. OBJECTIVES
Here we are trying to find out whether the year given by the user is a leap year or not.

3. PROCEDURE
Flowchart-

4. TEST RESULT

5. IMPLEMENTATION

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.