<u>Lab No: 02</u> Date:

Lab Name: Conditional statement (C program).

Theory:

C has the following conditional statements: Use if to specify a block of code to be executed, if a specified condition is true. Use else to specify a block of code to be executed, if the same condition is false. Use else if to specify a new condition to test, if the first condition is false.

Now to find a year is leap year or not we will follow the formula. The formula is as the year should be divided by 400 as well as 4 but not devisable by 100.

Tools:

- 1. Hardware: Desktop or Laptop Computer.
- 2. Software:
 - 1. Operating System:
 - ➤ Windows 10/11
 - ➤ Linux
 - > MAC
 - 2. Editor:
 - ➤ Code Blocks
 - ➤ Visual Studio code

Programming Language: C

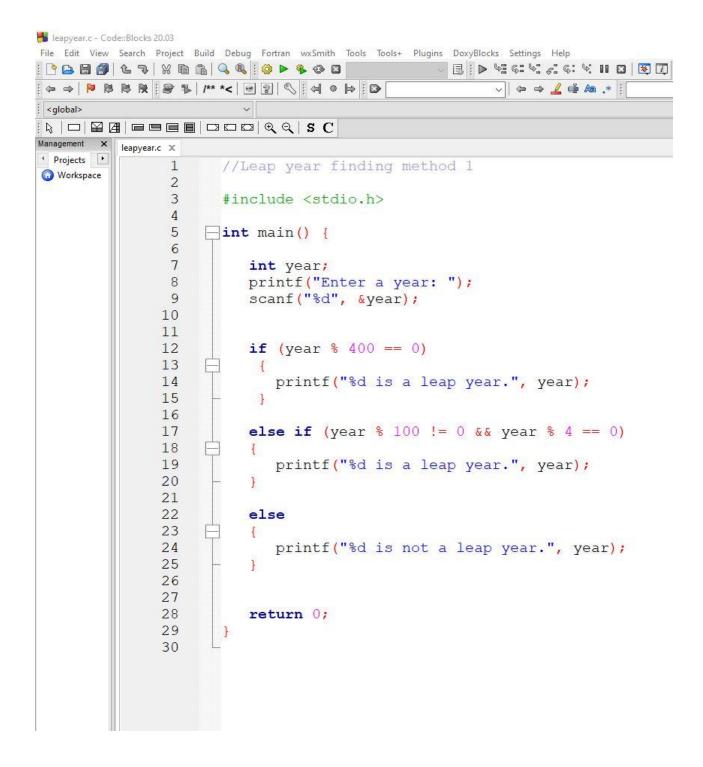
Uses of Device:

- 1. Check the electronic connectivity.
- 2. Switch on the UPS.
- 3. Press the power button of monitor and CPU.
- 4. Check all the necessary software. If any software is not installed then install the software.

<u>File Save:</u> File→save file as → type the name → save as type as C/C++ files→click save.

Process:

- 1. Open any local disk and create a new folder and rename it.
- 2. Run C program from windows.
- 3. Select new file from the menu bar.
- 4. Open the text document file and rename it to lab02
- 5. Then type the following program into lab02.c with code blocks.



Result:

- ➤ Click on build and run to run the program.
- > The following results should be viewed.

```
"D:\COLLEGE FILES\Mobashir Files\Mobashir Lab\leapyear.exe" - X

Enter a year: 2000
2000 is a leap year.

Process returned 0 (0x0) execution time: 18.318 s

Press any key to continue.
```

