LAB SHEET 2 (Control Flow Statements)

1. **University wants to gift for those date of birth falls on February 29th. Create a C# program that will accept the birth year. Check the leap year and issue them with surprise gift.**

```
namespace My_First_Application
{
    class birthyrcalculation
    {
          static void Main()
        {
            Console.WriteLine("enter your birth year");
            int birthyear= Convert.ToInt32(Console.ReadLine());
            if (birthyear % 4 == 0)
            {
                Console. WriteLine("Your Birthday falls on Feb 29th. specicial
Gift is waiting for u ");
            }
            else
            {
                Console.WriteLine("Sorry, You are not eligible for gift");
            }
         }
    }
}
```

```
enter your birth year
2020
Your Birthday falls on Feb 29th. specicial Gift is waiting for u

C:\C#Programming\My First Application\My First Application\bin\Debug\net6.0\My First Application.exe (process 25224) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Assessment 2a:

Design a Console application to check the eligibility for voting. Take the birth year as the input from the user

Hint: Voting eligibility : Age >= 18 Years

2. **Take the age and name of two students in a class. Compare and display the oldest student name and age.**

```
namespace My_First_Application
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter first student's name");
            string sname1 = Console.ReadLine();
            Console.WriteLine("Enter second student's name");
            string sname2= Console.ReadLine();

            Console.WriteLine("Enter first student's age");
             int sage1 = int.Parse(Console.ReadLine());
            Console.WriteLine("Enter second student's age");
            int sage2 =int.Parse(Console.ReadLine());

            if (sage1 >sage2)
            {
                Console.WriteLine(sname1 + "  is older than " + sname2);
                Console.Write(" Age of " + sname1 + " is " + sage1);
            }
            else
            {
                Console.WriteLine(sname1 + "is older than " + sname2);
                Console.Write("Age of " + sname1 + " is " + sage1);
            }
        }
    }
}
```

```
Enter first student's name
Ravi
Enter second student's name
Anshu
Enter first student's age
24
Enter second student's age
21
Ravi  is older than Anshu
 Age of Ravi is 24
C:\C#Programming\My First Application\My First Application\bin\Debug\net6.0\My First Application.exe (process 20008) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Assessment 2b:

Write a code to award grade to a student. Get name of a student and three subjects marks. Calculate the total marks and award Excellent, Good and Average.

Range:

Excellent : 200 to 300

Good : 100 to 200

Average: less than 100