LAB MANUAL:1

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Talha Rafique

471701

Home task

Question:1

```
Project2 - [late c 1.dev] - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help
                                                                                                                                                                  o
 (globals)
 Project Classes • • Untitled3.cpp

    ■    ■ Project2
                   6 ☐ int main() {
                            // Input coordinates for the first point (x1, y1)
cout << "Enter the coordinates for the first point (x2, y2)
                           double x1, y1;
cin >> x1 >> y1;
                  10
                  11
12
                           // Input coordinates for the second point (x2, y2)
cout << "Enter the coordinates for the second point
                  13
14
                            double x2, y2;
cin >> x2 >> y2;
                  15
16
                            // Calculate the distance using the formula
double distance = sqrt(pow(x2 - x1, 2) + pow(y2 - y1,
                  17
18
                  19
                            // Output the result
cout << "Distance between the points: " << distance</pre>
                  20
                  21
22
                  23 24
                            return 0:
Compilation results...
                    Shorten compiler paths
Line: 24 Col: 2 Sel: 0 Lines: 24 Length: 642 Insert Done parsing in 0.125 seconds
```

Question 2

Centimeters to meter and kilometer

```
Project4 - [Project4.dev] - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help
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  (globals)
Project Classes • • lab hoe 2.cpp
                                                              8

⊕ Project4

                                                                                                                                                                                                                                                                                                                 rocess exited after 5.001 seconds with return value 0
                                                                                                 std::cin >> lengthInCentimeters;
                                                                                                                                                                                                                                                                                                               ress any key to continue . . .
                                                              11
                                                                                                 // Convert to meters and kilometers
                                                                                                  double lengthInMeters = lengthInCentimeters / 100.6
                                                              13
                                                                                                 double lengthInKilometers = lengthInCentimeters /
                                                             14
15
                                                                                                // Display the results
std::cout << "Length in meters: " << lengthInMeters
std::cout << "Length in kilometers: " << lengthInKi</pre>
                                                              17
                                                             18
19
20
21
                                                                                                 return 0;
                                                             22
23
24
25
🛗 Compiler 📵 Resources 🛍 Compile Log 🤣 Debug 🗓 Find Results 🍇 Close
                                                                    Compilation results...
                                                                      - Errors: 0
- Warnings: 0
                                                                      - Output Filename: C:\Users\hp\Desktop\Project4.exe

- Output Size: 1.83242321014404 MiB

- Compilation Time: 1.88s
Shorten compiler paths
 ine: 21 Col: 1 Sel: 0 Lines: 27 Length: 595
                                                                                                                                                                                                       Insert
                                                                                                                                                                                                                                                Done parsing in 0.5 seconds
```

Question 4

Convert fahrenehite to celsius

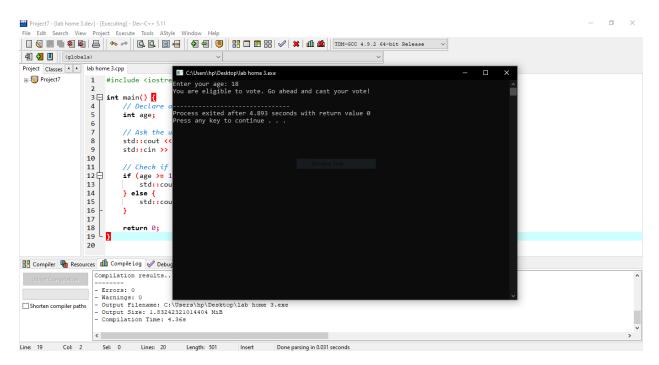
LAB MANUAL:2

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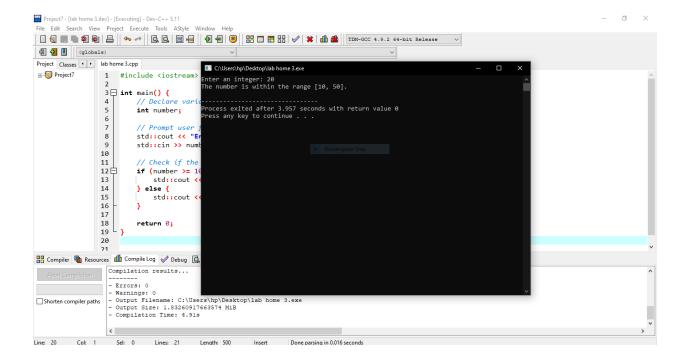
Question:1

Eligibility for vote according to age



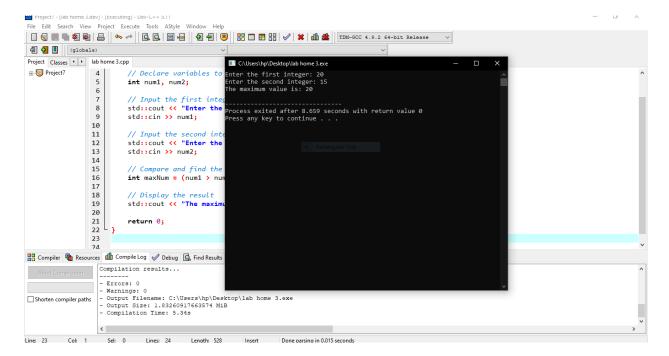
Question:2

To ckeck integer within in a given range



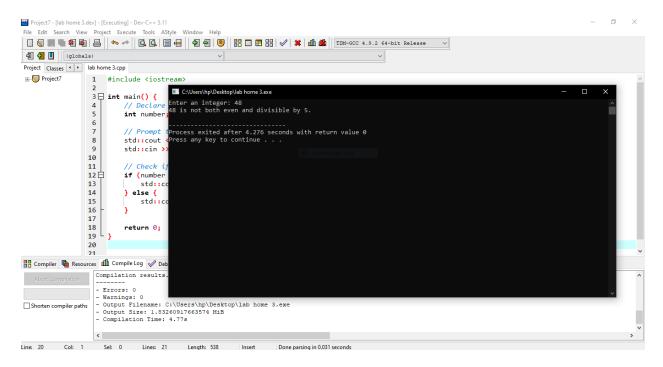
Question:3

Compare two integer and find maximum

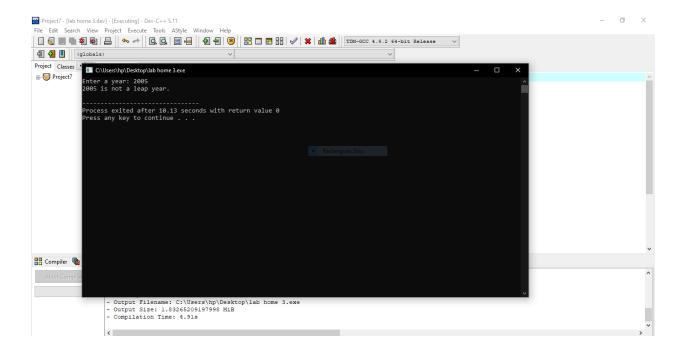


HOME TASK

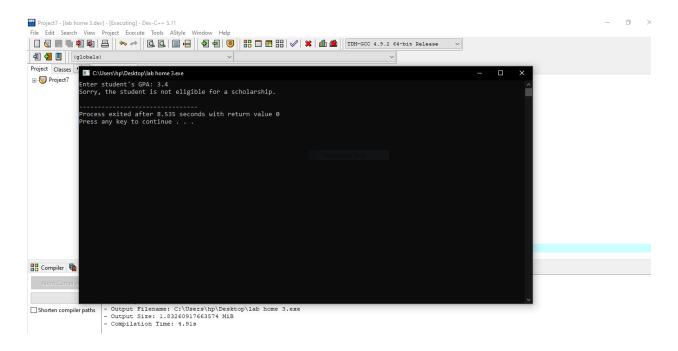
Question: Take integer as input and determine if it is both even and divisible by 5.



Question: To check leap year.



Question: eligibility for scholarship on basis of gpa and attandance.



Question: To seprate wovels and consonants.

