

# Assignment: L3 If-Else



## Ques: Take 2 integers input and print the greatest of them.

```
▷ ~ @ □ …
         X G forloop.cpp
C ab.c++ > ...
  #include<iostream>
      using namespace std;
      int main()
          int a,b;
          cout<<"enter a";
          cout<<"enter b";
          cin>>b;
          if(a>b)
           cout<<"the greater number is:"<<a;</pre>
           cout<<"the greater number is: "<<b:
           return 0;
                                                                                                                    ∑ Code + ~ □ · · · · · ×
         OUTPUT DEBUG CONSOLE PORTS TERMINAL
                                               SQL CONSOLE
PS C:\Users\rishabh's\Desktop\c++> cd "c:\Users\rishabh's\Desktop\c++\" ; if (\$?) { g++ ab.c++ -0 ab } ; if (\$?) { .\ab
enter a5
enter b9
the greater number is:9
PS C:\Users\rishabh's\Desktop\c++>
```



Ques: Given the radius of the circle predict whether numerically area of this circle is larger than the <u>circumference or not</u>.

```
G ab.c++ X G forloop.cpp
                                                                                                                                        ▶ III ···
using namespace std;
      int main()
          double circum, area:
          int radius:
          cout<<"enter the radius of the circle"<<endl:
          cin>>radius:
          area= (3.14)* radius*radius:
          circum=2*double(3.14)*radius;
          cout<<area<<endl:
          cout<<circum<<endl;
          area= (3.14)* radius*radius;
          circum=2*double(3.14)*radius;
          if(area>circum)
          cout<<"area is larger";
          cout<<"circumference is larger":
          return 0:
                                                                                                                     区 Code + ~ □ 前 ··· ^ ×
          OUTPUT DEBUG CONSOLE PORTS TERMINAL
                              > cd "c:\Users\rishabh's\Desktop\c++\" ; if ($?) { g++ ab.c++ -0 ab } ; if ($?) { .\ab }
enter the radius of the circle
200.96
50 24
area is larger
```

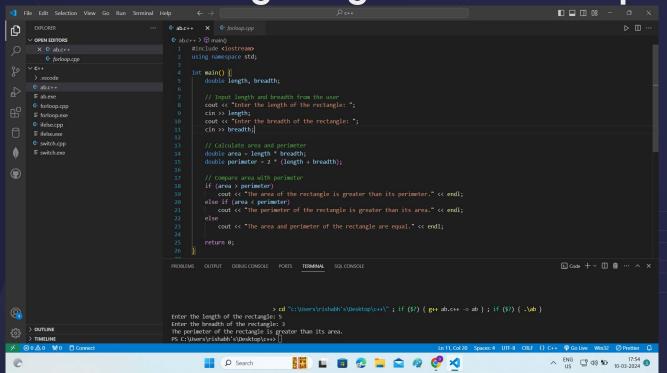


Ques: Any year is input through the keyboard. Write a program to determine whether the year is a leap year or not. (Considering leap year occurs after every 4 years)

```
#include <iostream>
      using namespace std:
      int main() {
          int year:
          // Input year from the user
          cout << "Enter a year: ";
          cin >> year;
          if (year % 4 == 0) {
              // Check if it is divisible by 100 and not divisible by 400
              if (year % 100 == 0 && year % 400 != 0)
                  cout << year << " is not a leap year." << endl;
                  cout << year << " is a leap year." << endl;</pre>
          } else {
              cout << year << " is not a leap year." << endl;
          return 0:
                                                                                                                          Σ Code + ∨ Π m ··· ∧ ×
                                        TERMINAL
                                                  SOL CONSOLE
                               > cd "c:\Users\rishabh's\Desktop\c++\" ; if ($?) { g++ ab.c++ -o ab } ; if ($?) { .\ab }
Enter a year: 2002
2002 is not a leap year.
PS C:\Users\rishabh's\Desktop\c++>
```

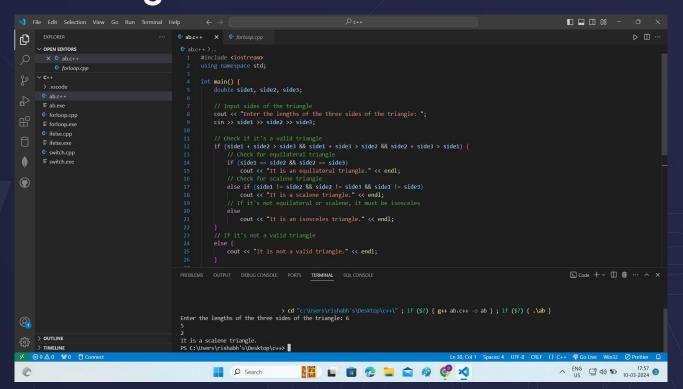


Ques: Given the length and breadth of a rectangle, write a program to find whether numerically the area of the rectangle is greater than its perimeter.



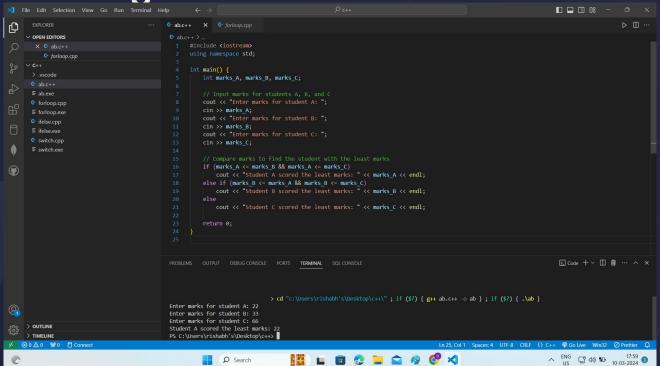


Ques: Write a program to input sides of a triangle and check whether a triangle is equilateral, scalene or isosceles triangle.





Ques: If the marks of A, B and C are input through the keyboard, write a program to determine the student scoring least marks.



R SKILLS

Ques: Given a point (x, y), write a program to find out if it lies on the x-axis, y-axis or at the origin, viz.

> cd "c:\Users\rishabh's\Desktop\c++\" ; if (\$?) { g++ ab.c++ -o ab } ; if (\$?) { .\ab }

^ ENG ☐ Φ) № 18:00 3

(0,0)Tile Edit Selection View Go Run Terminal Help ▶ Ш … C ab.c++ X C forloop.cop ∨ OPEN EDITORS using namespace std; int main() { > vscode ≡ ab.exe cout << "Enter the x-coordinate of the point: "; G forloop.cpp cout << "Enter the y-coordinate of the point: "; ≡ ifelse.exe @ switch.cpp ≡ switch.exe cout << "The point lies at the origin (0, 0)," << endl: cout << "The point lies on the x-axis." << endl;</pre> else if (x == 0) { cout << "The point lies on the y-axis." << endl; ∑ Code + ∨ □ 前 ··· ∧ × OUTPUT DEBUG CONSOLE PORTS TERMINAL SQL CONSOLE

Enter the x-coordinate of the point: 0
Enter the y-coordinate of the point: 2

PS C:\Users\rishabh's\Desktop\c++>

The point lies on the v-axis.

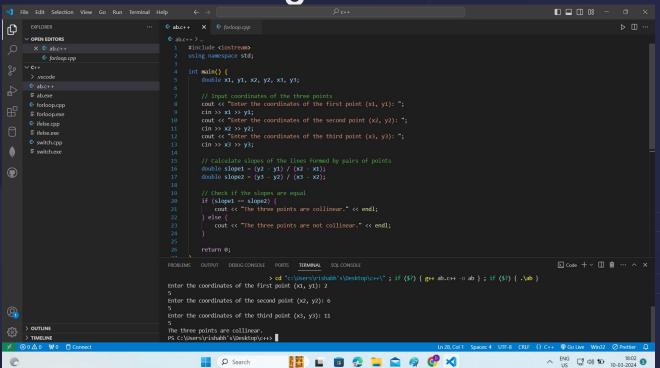
OUTLINE

> TIMELINE

> ⊗ 0 ∆ 0 № 0 🖯 Connect

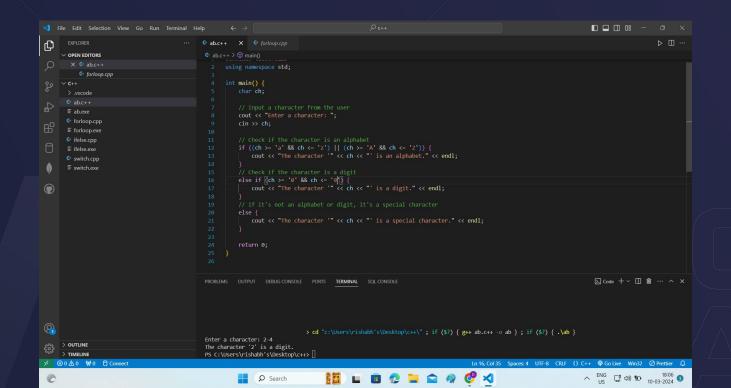


Ques: Given three points (x1, y1), (x2, y2) and (x3, y3), write a program to check if all the three points fall on one straight line.





## Ques: Write a C++ program to input any character and check whether it is the alphabet, digit or special character.





### **Predict the output**

```
int main() {
  int a = 500, b, c;
  if ( a \ge 400 )
     b = 300;
     c = 200;
     cout << "value of b
  and c are respectively "
  return 0;
```

#### ANSWER:

Value of b and c are respectively 300 and 400



### THANK YOU