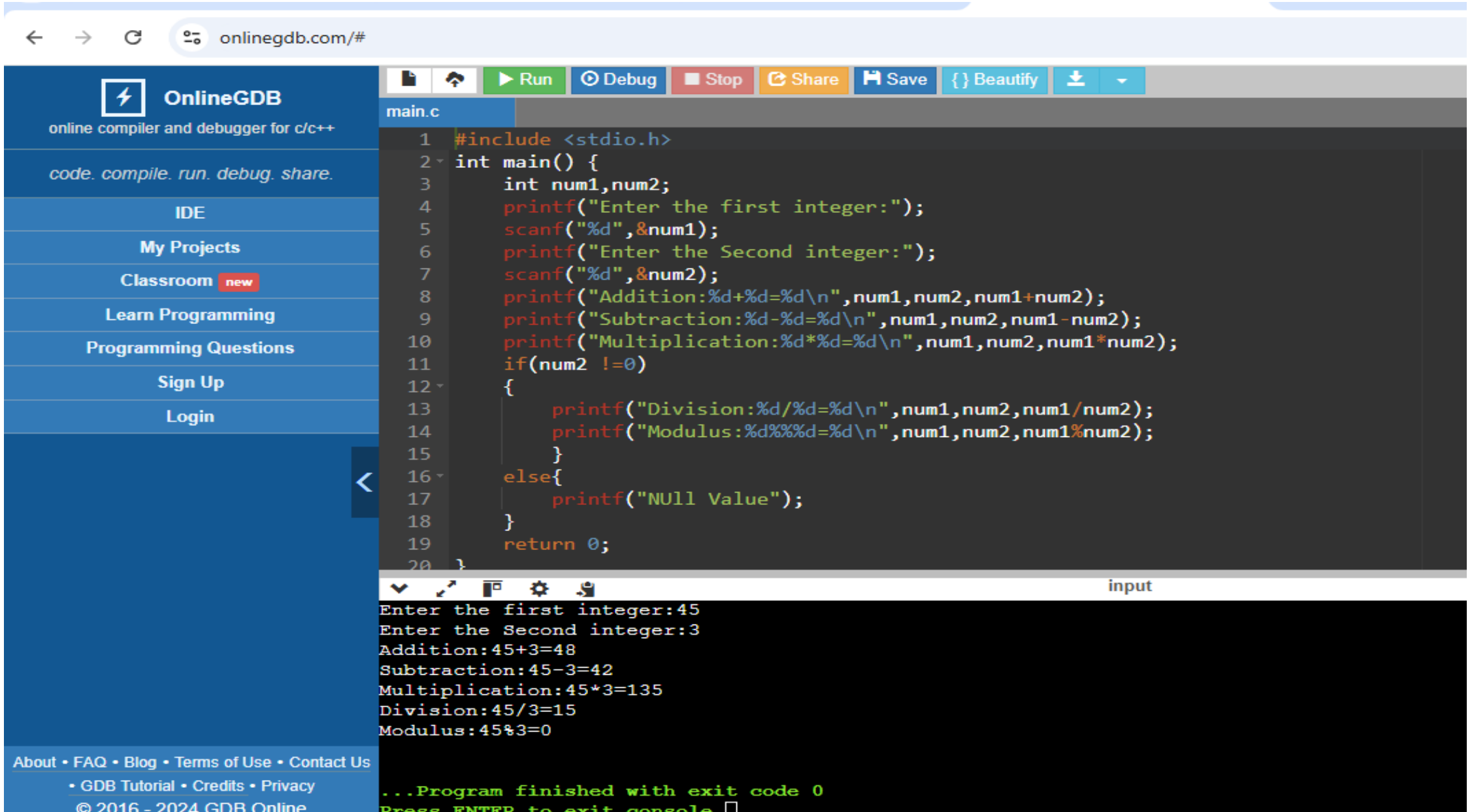
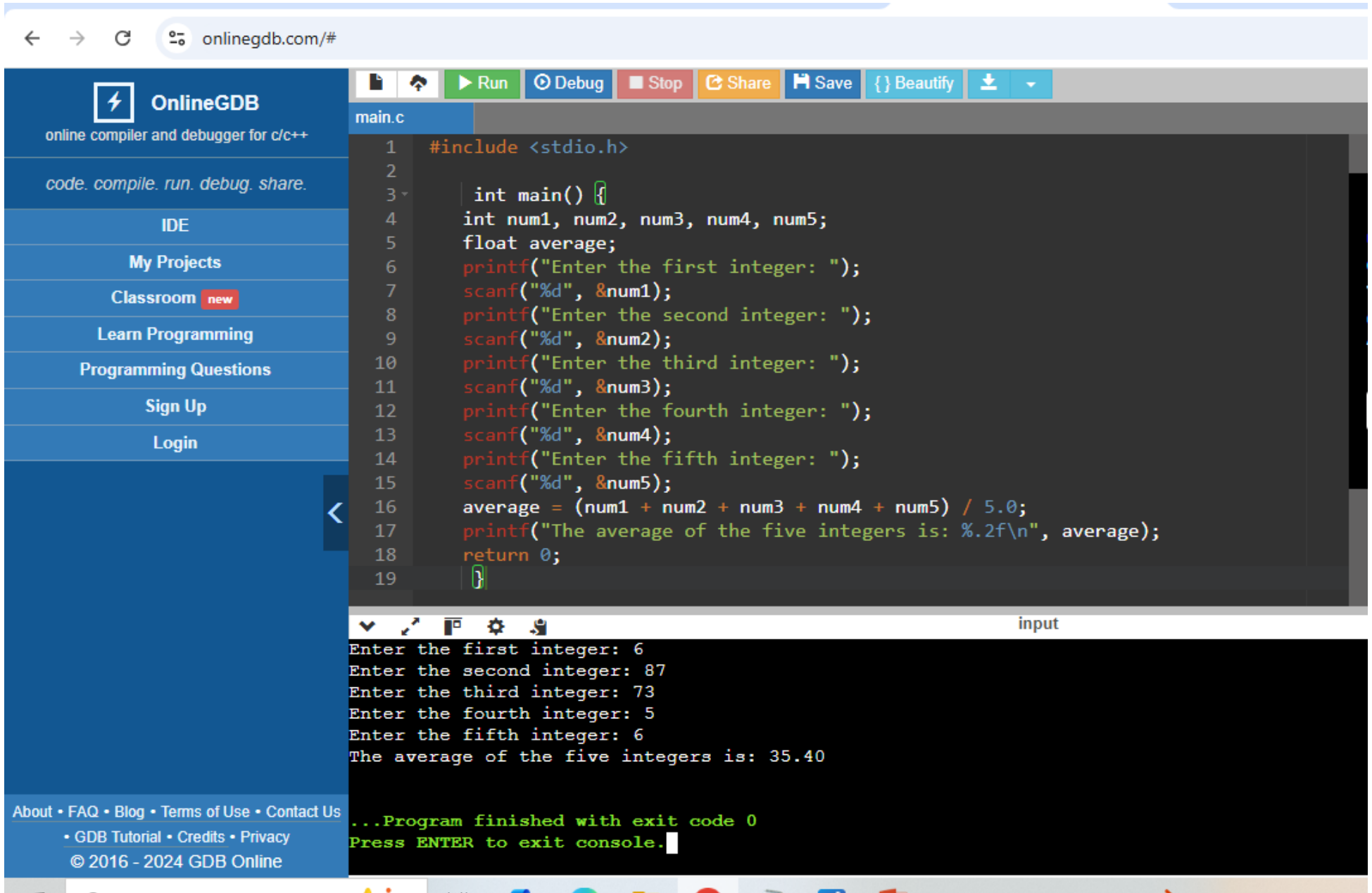
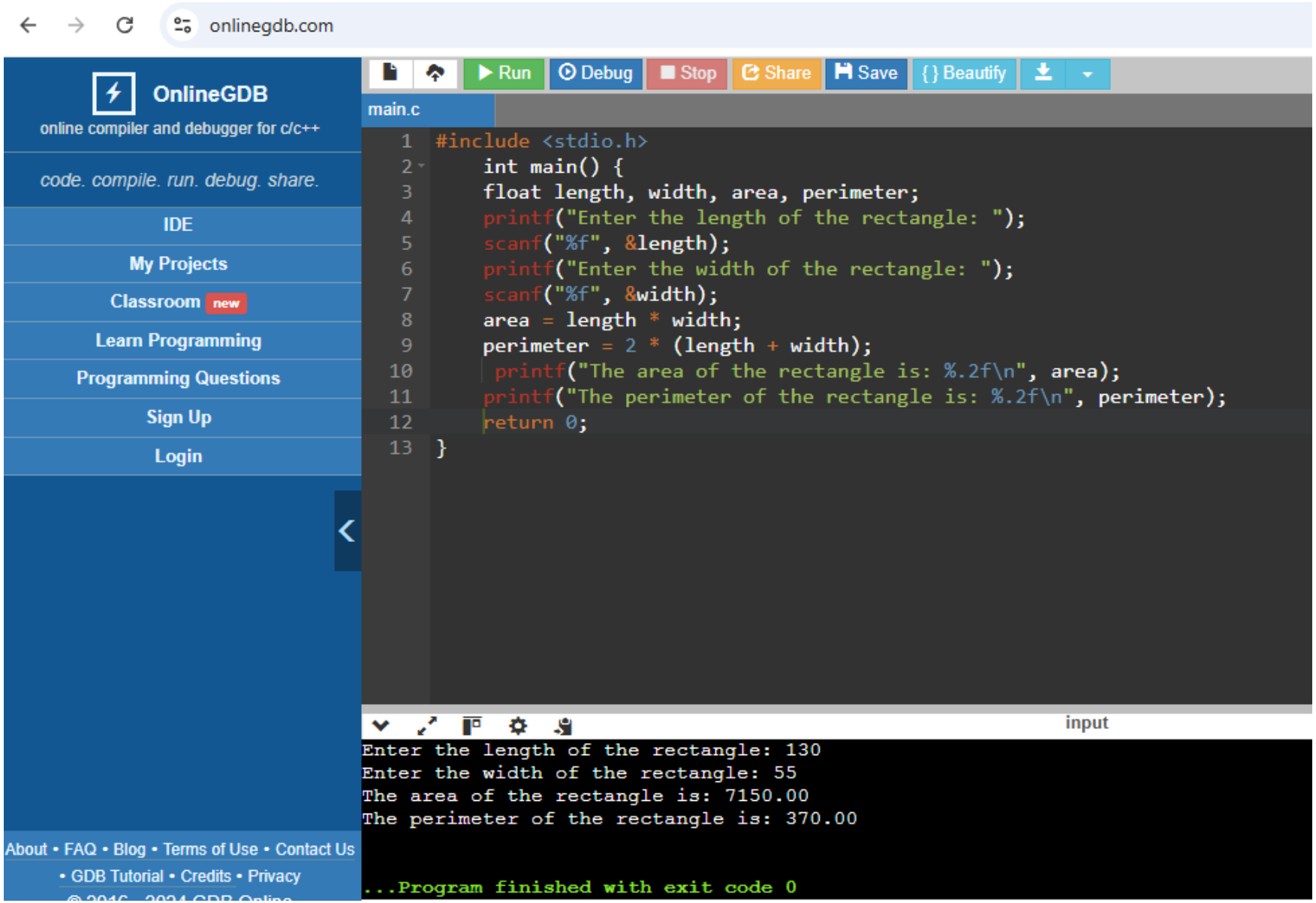
Write a program to perform addition, subtraction, multiplication, division, and modulus operations on two user-provided integers.



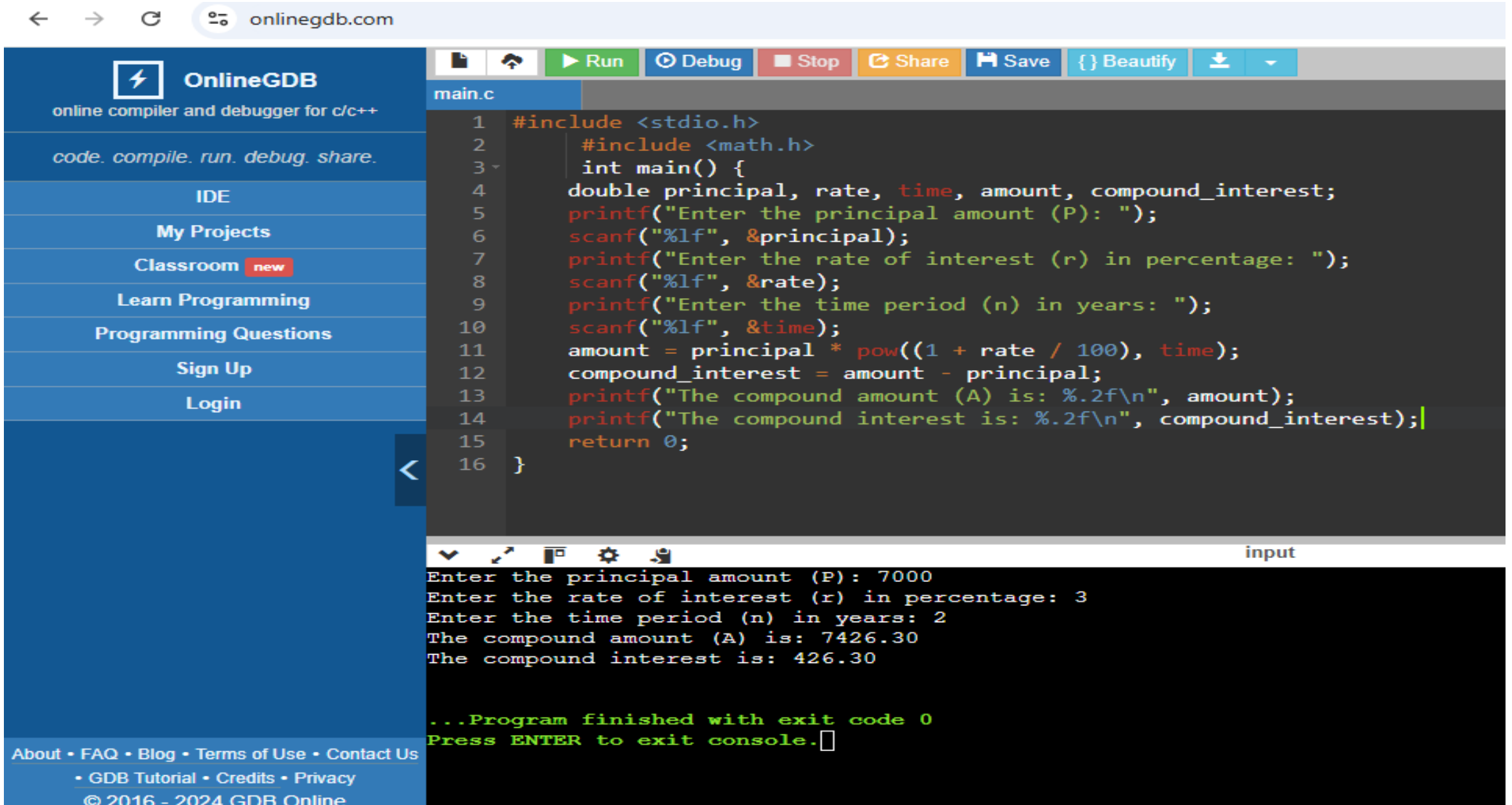
Write a program to calculate the average of five integers provided by the user.



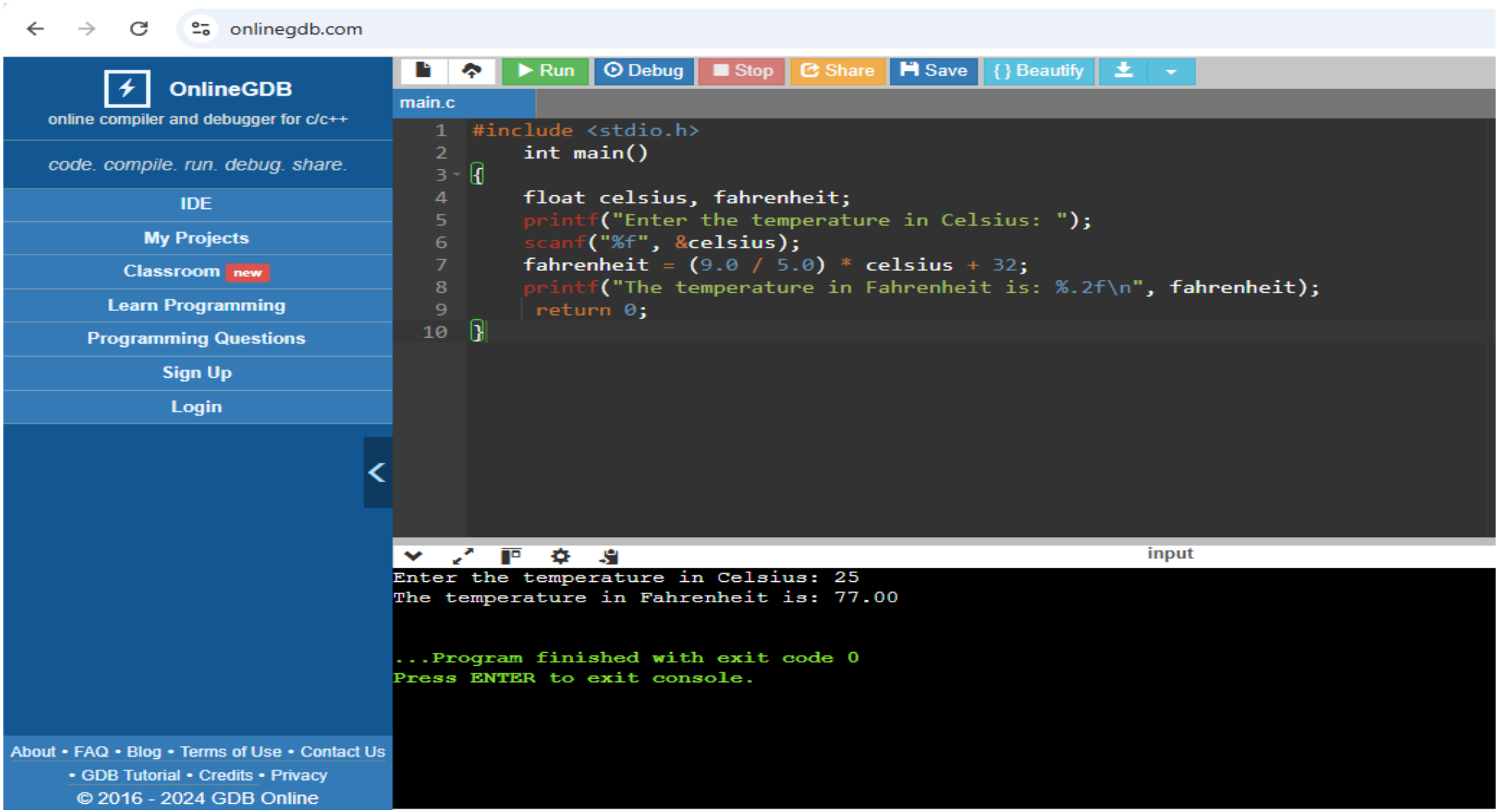
Compute and display the area and perimeter of a rectangle given its length and width.



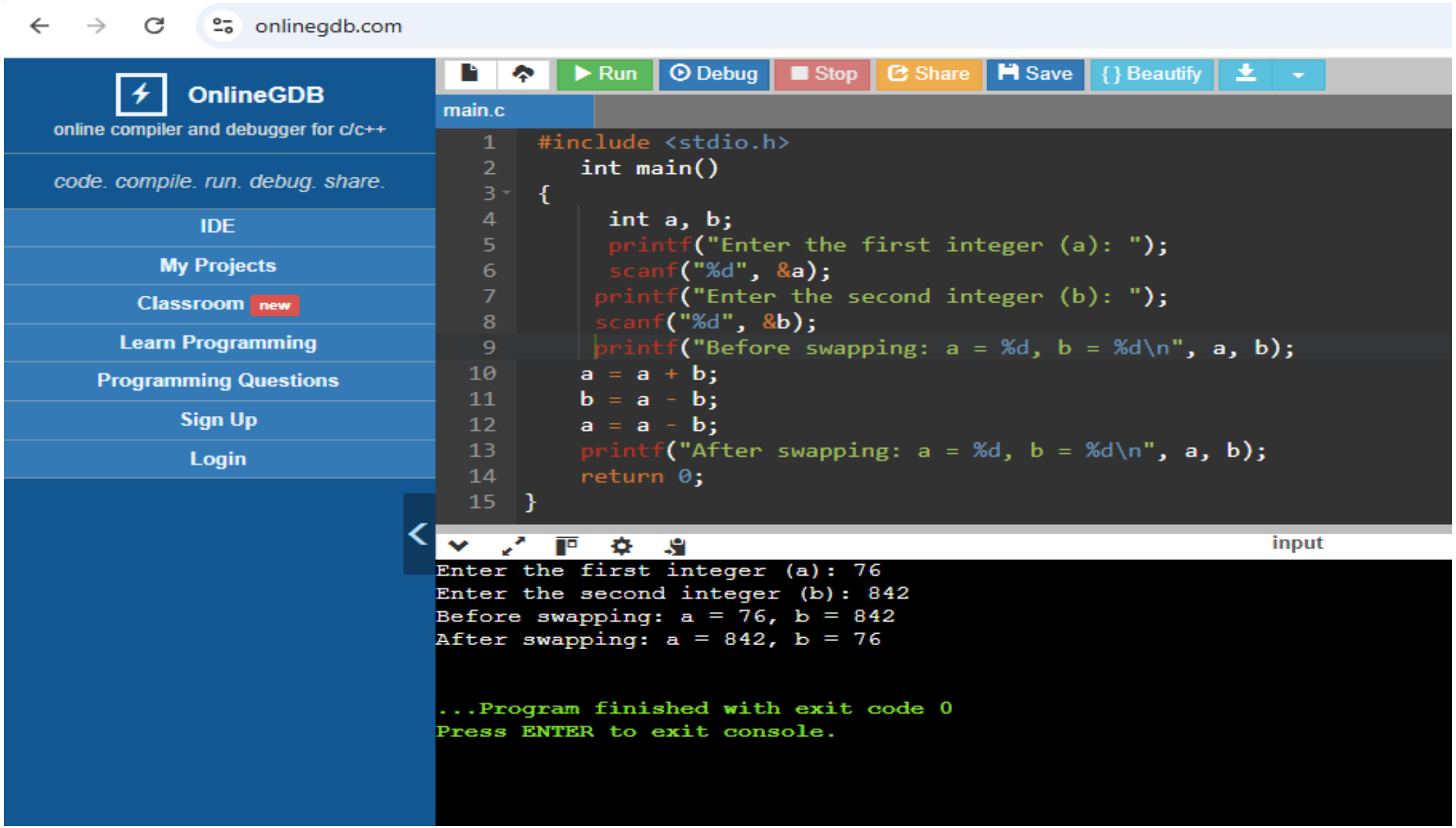
Write a program to calculate the compound interest using the formula: A=P×(1+(r/100))^n
where P is the principal, r is the rate of interest, and n is the time period.



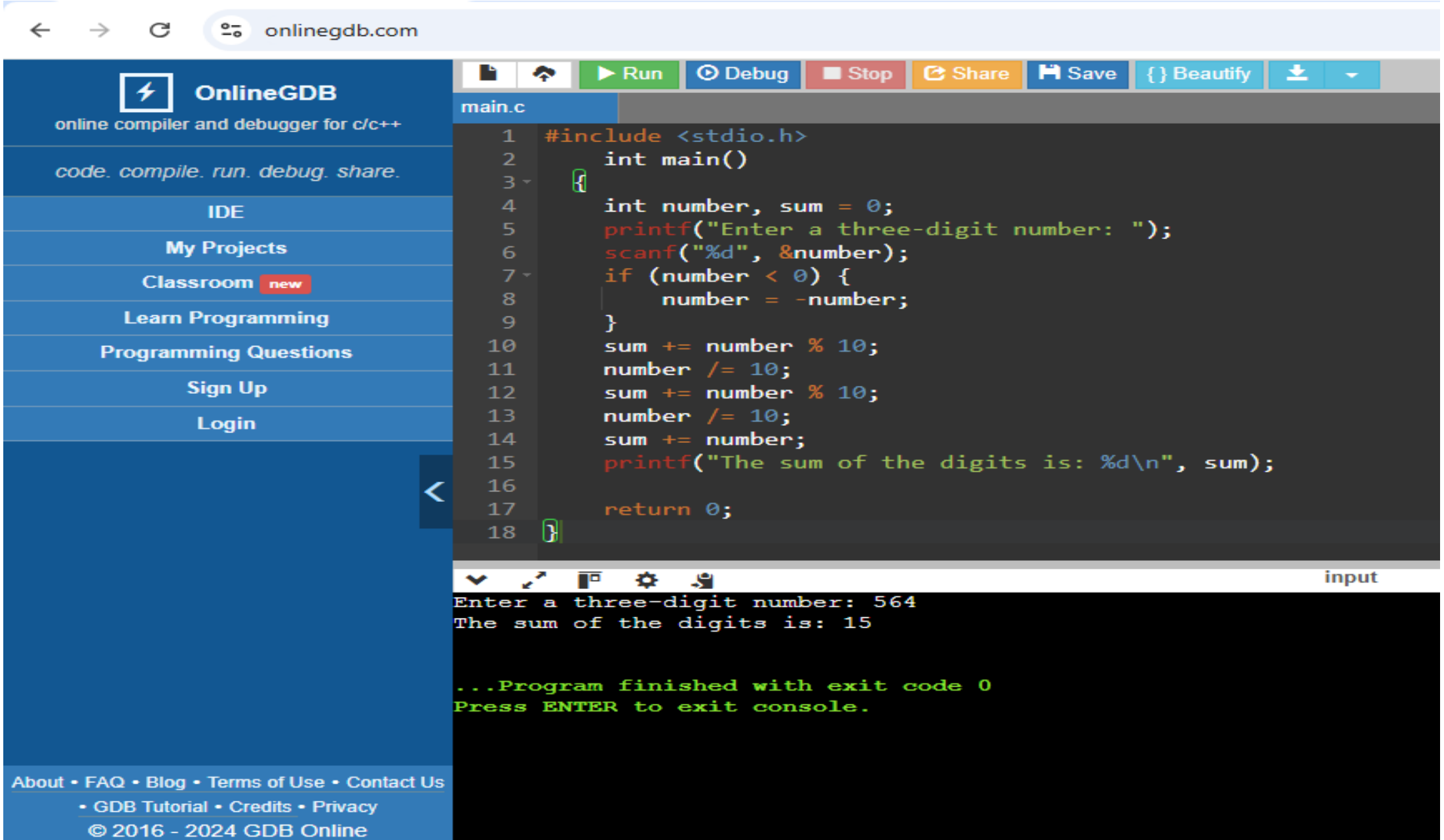
Write a program to convert a temperature from Celsius to Fahrenheit using the formula:
F=(9/5)*C+32



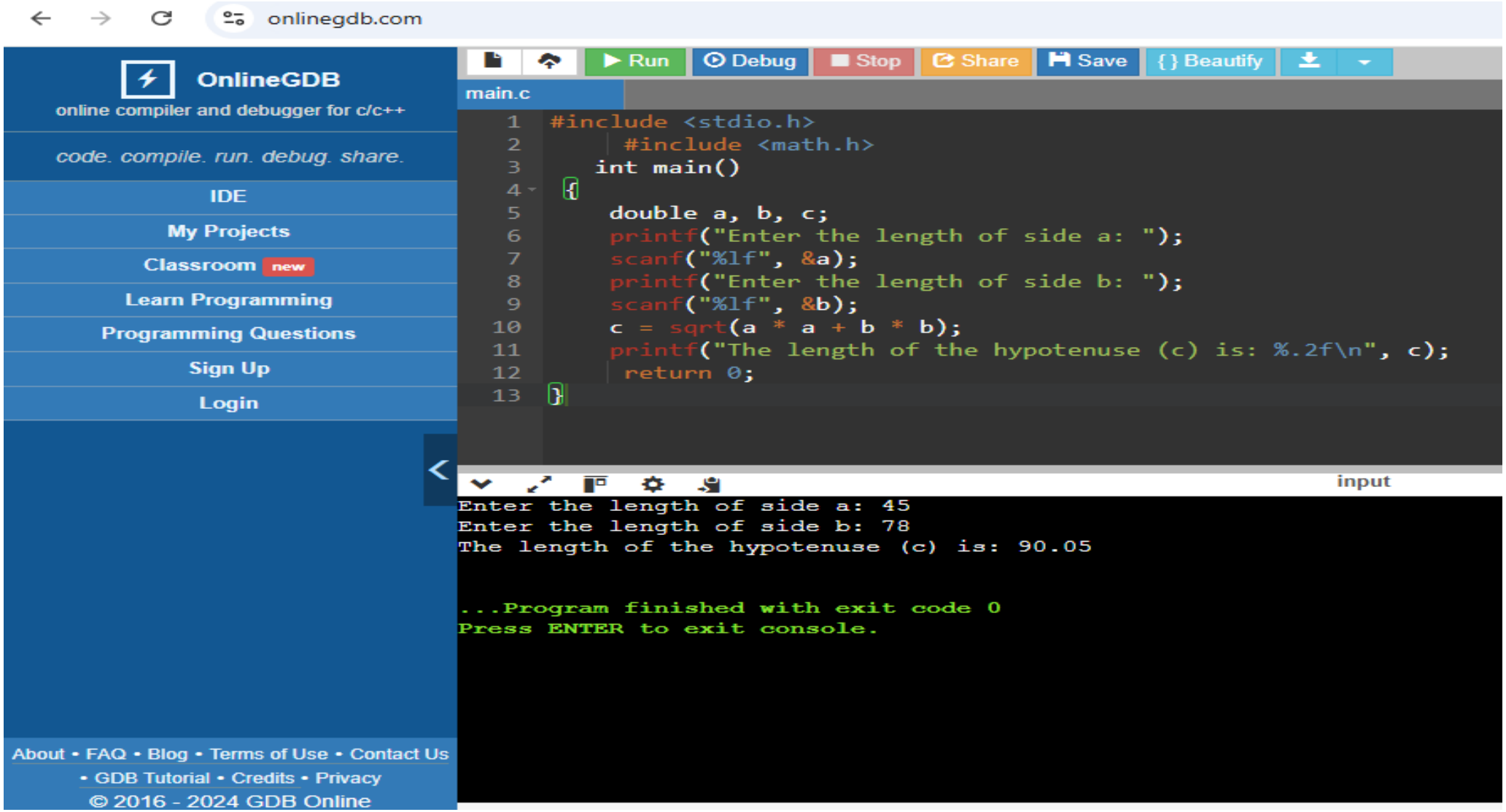
Write a program to swap the values of two variables without using a third variable, relying only on arithmetic operations.



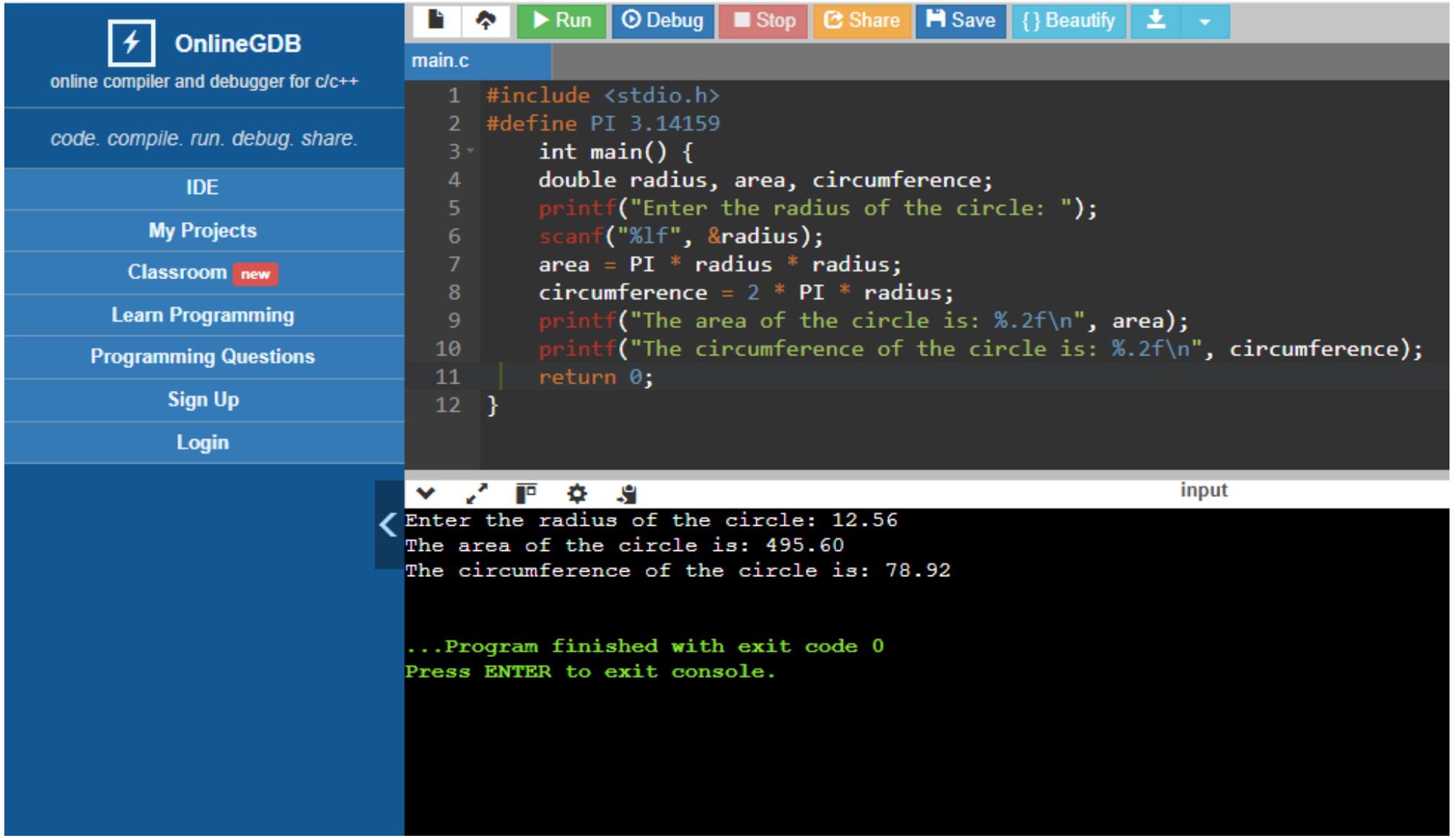
Write a program to find the sum of the digits of a given three-digit number.



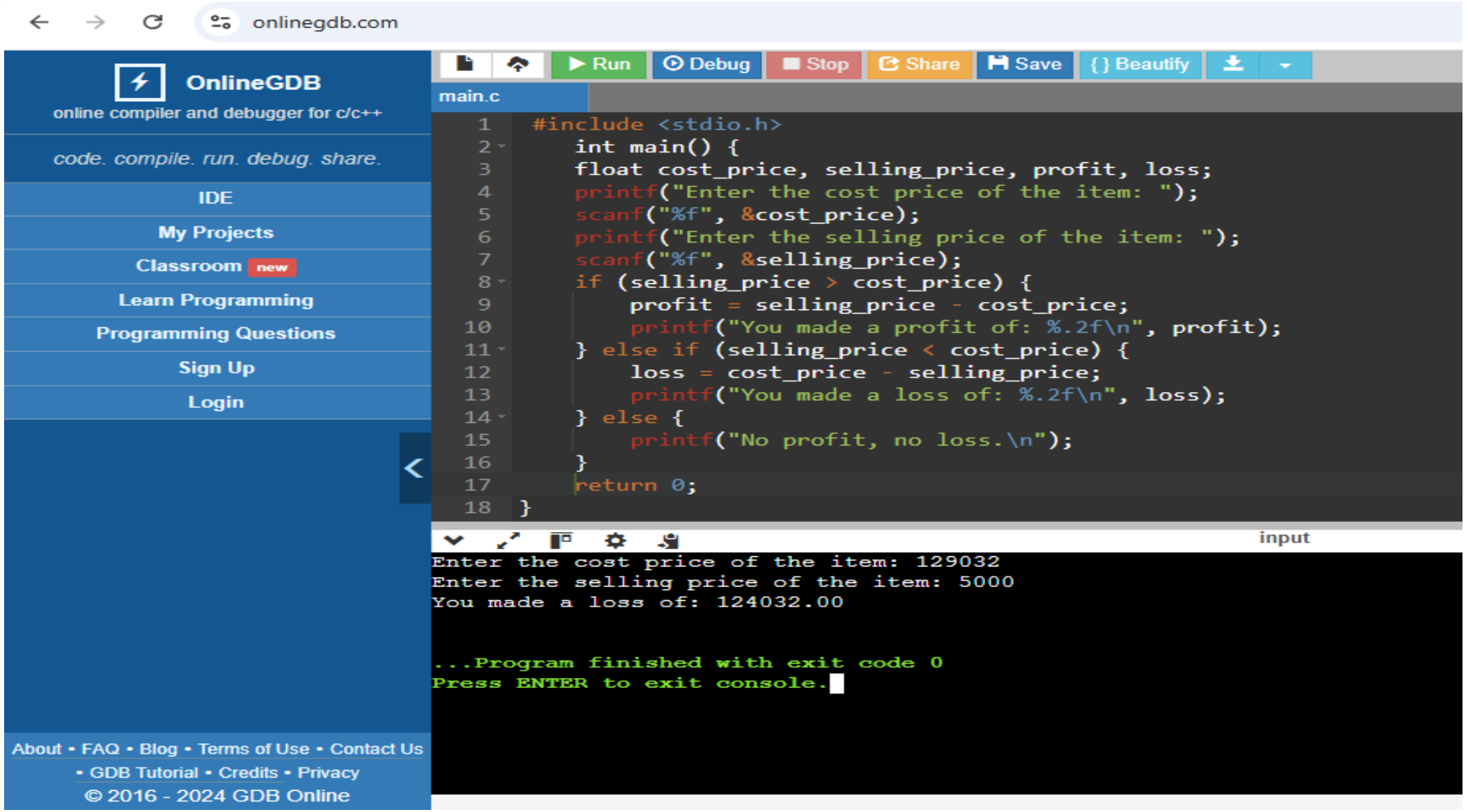
Calculate the hypotenuse of a right triangle given the lengths of the other two sides using the formula:C = root over of (a^2 + b^2)



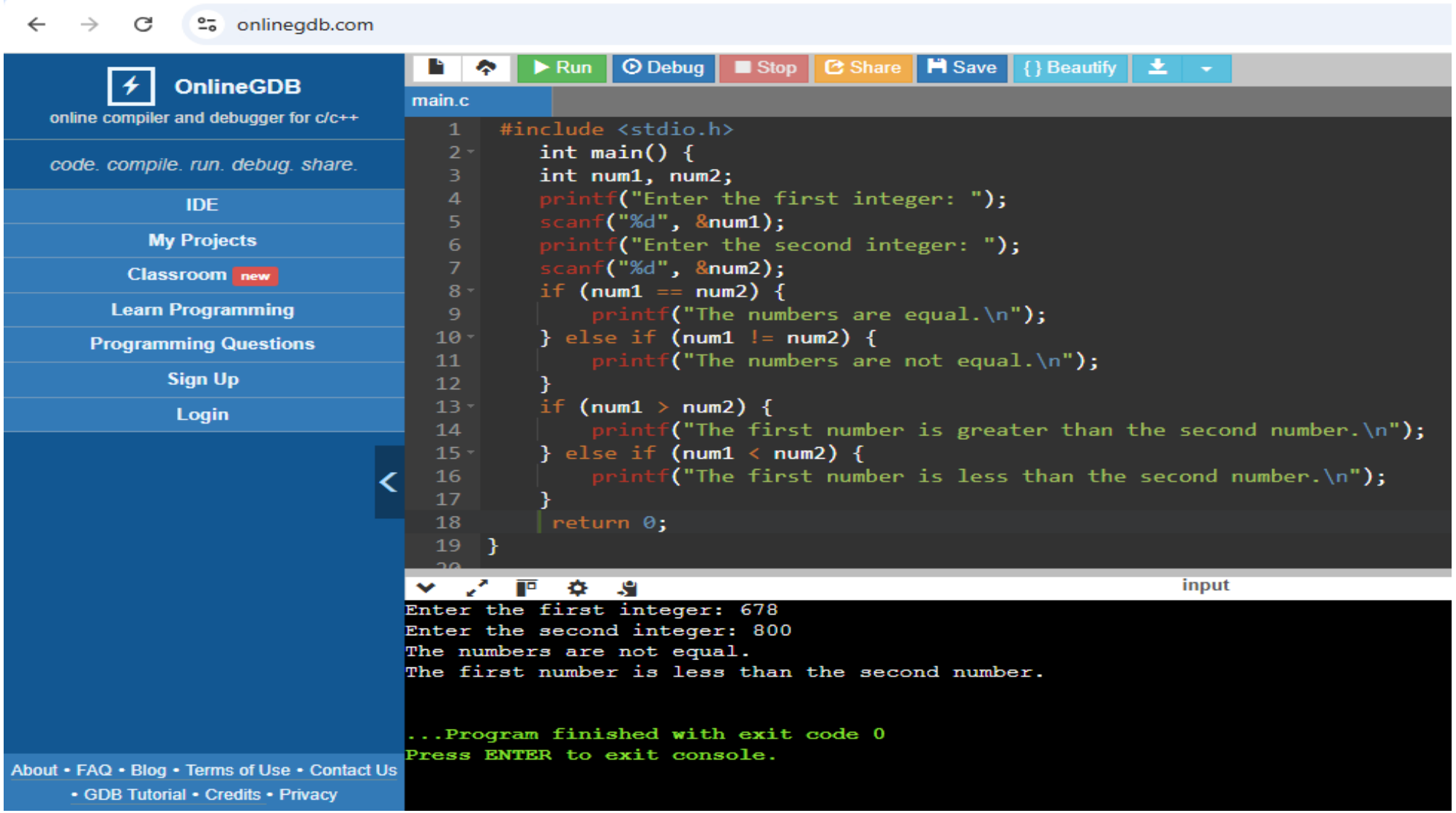
Write a program to calculate the circumference and area of a circle given its radius. Use the formulas:
Area: πr^2
Circumference: 2πr



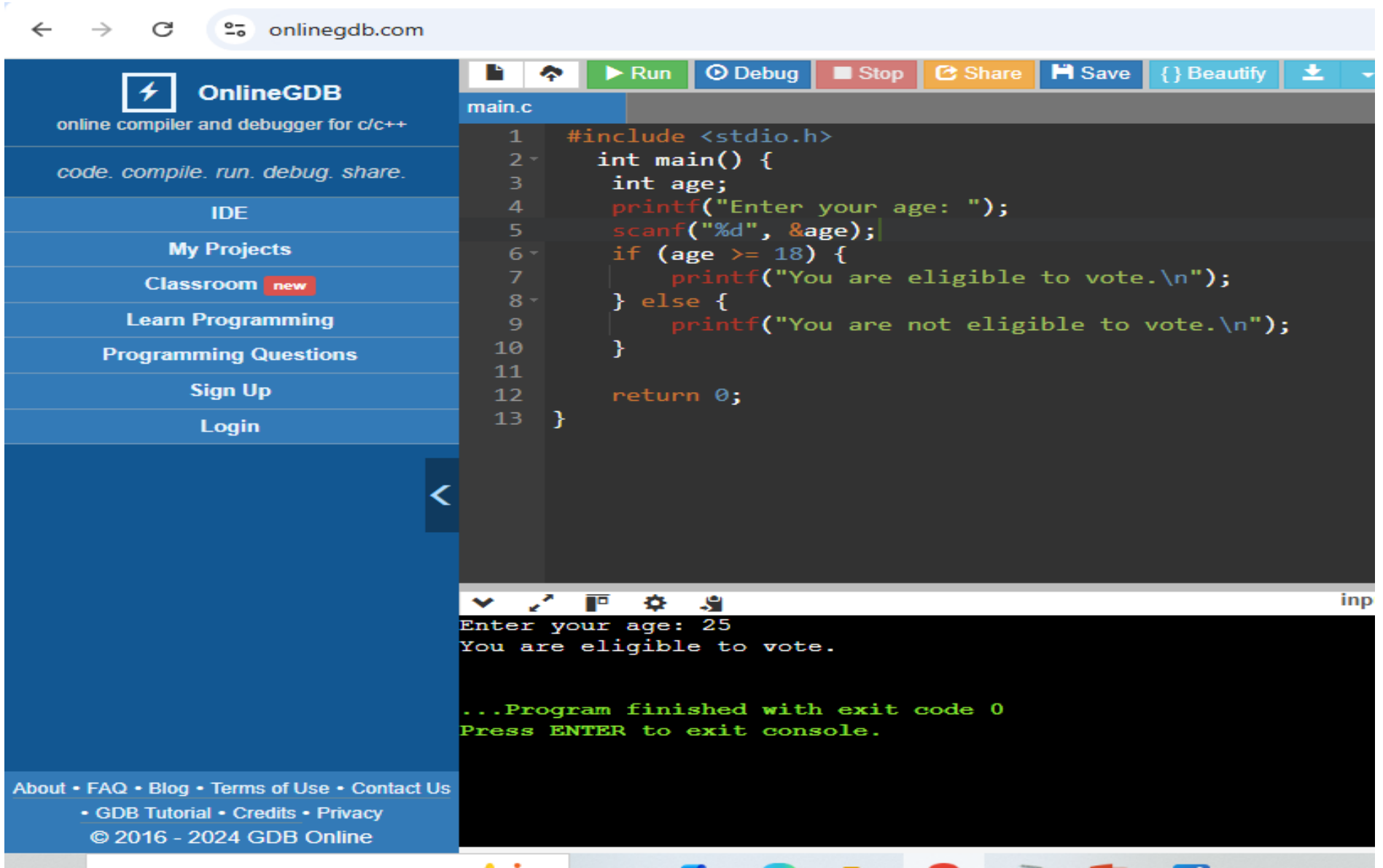
Write a program to calculate the profit or loss made on a transaction given the cost price and selling price of an item.



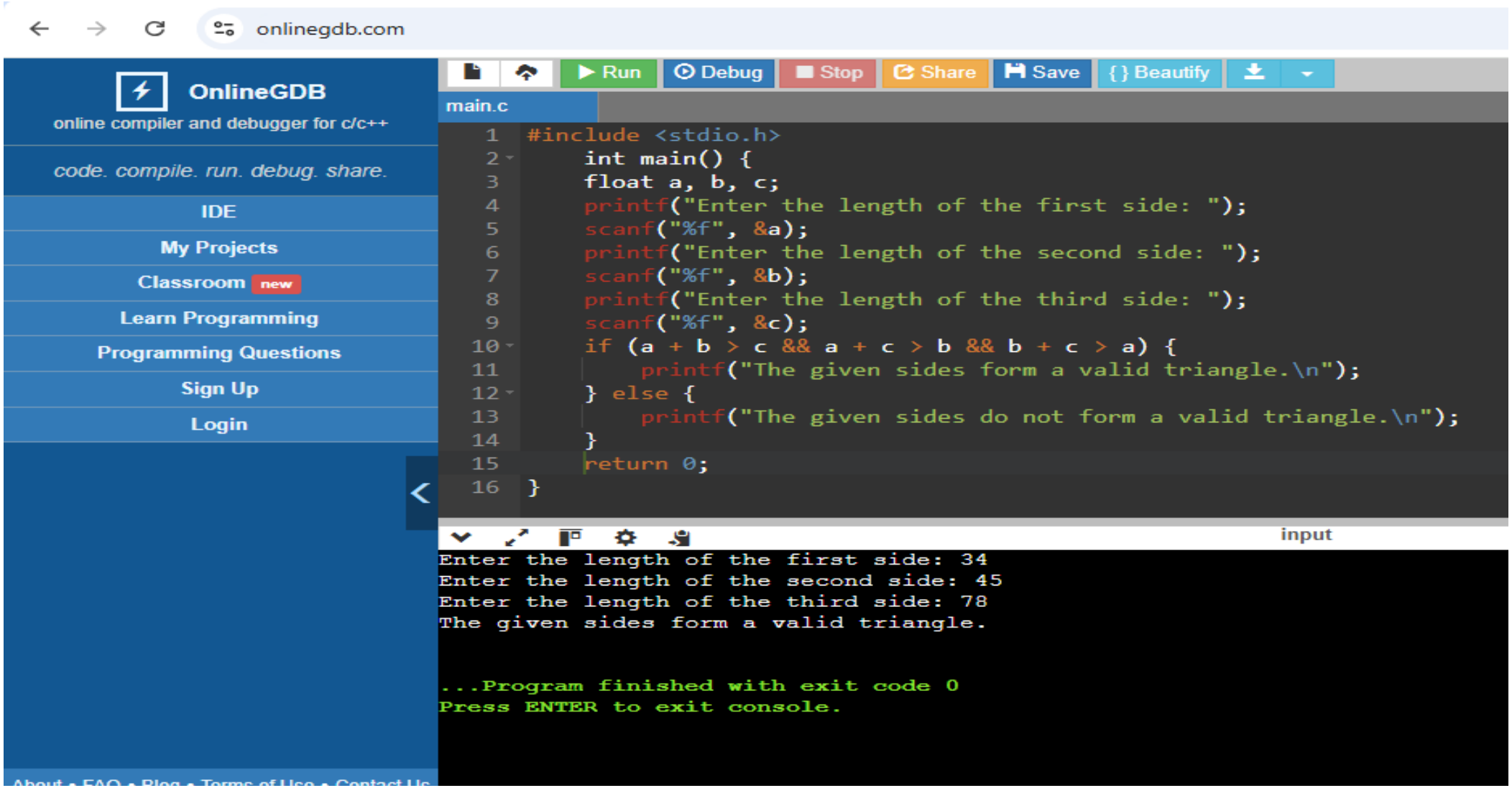
Compare Two Numbers:
Write a program to check if two integers are equal, not equal, greater than, or less than each other using relational operators.



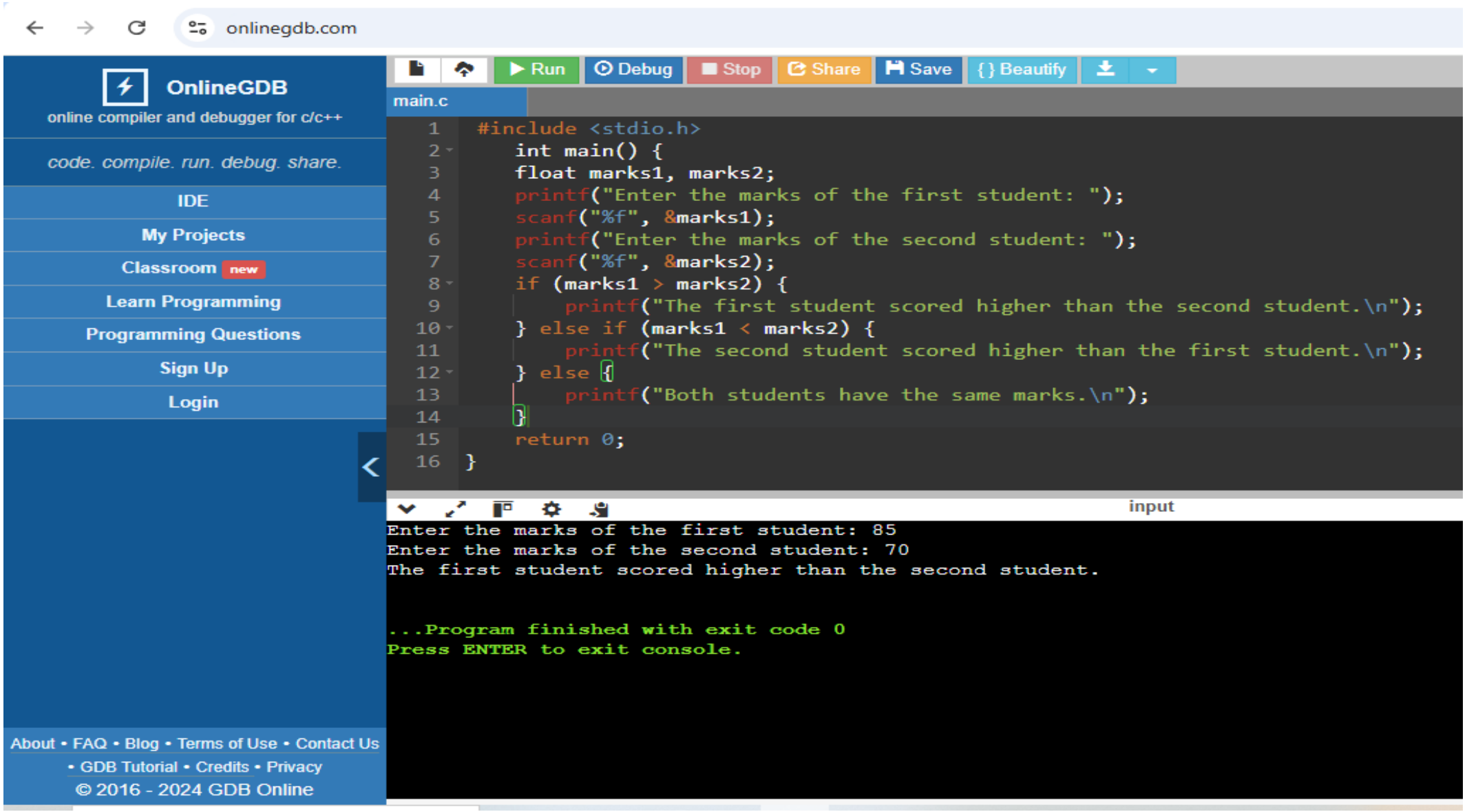
Eligibility for Voting:
Determine whether a person is eligible to vote based on their age (age must be greater than or equal to 18).



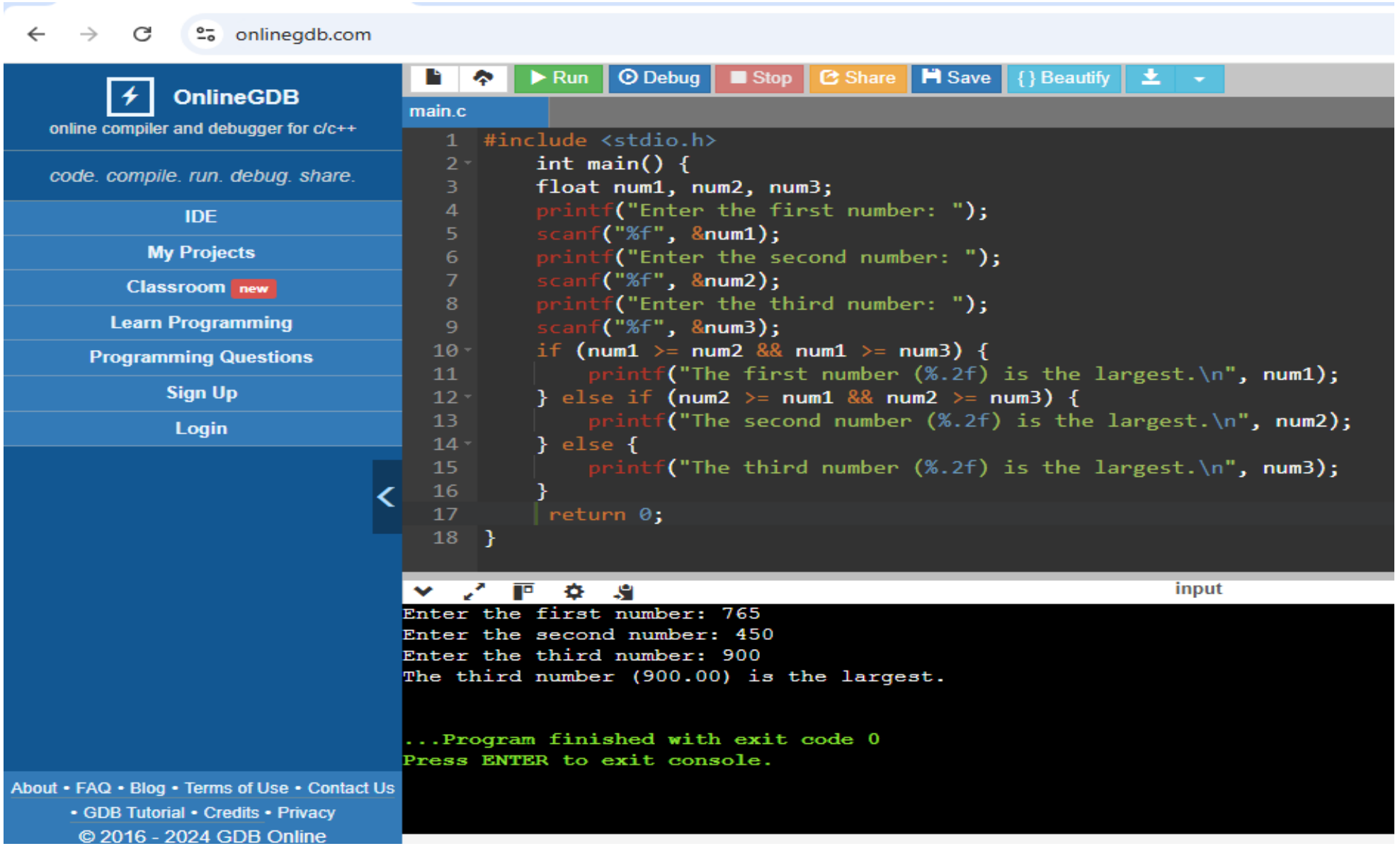
Triangle Validity Check:
Given three sides of a triangle, use relational operators to check if the triangle is valid (the sum of any two sides must be greater than the third side).



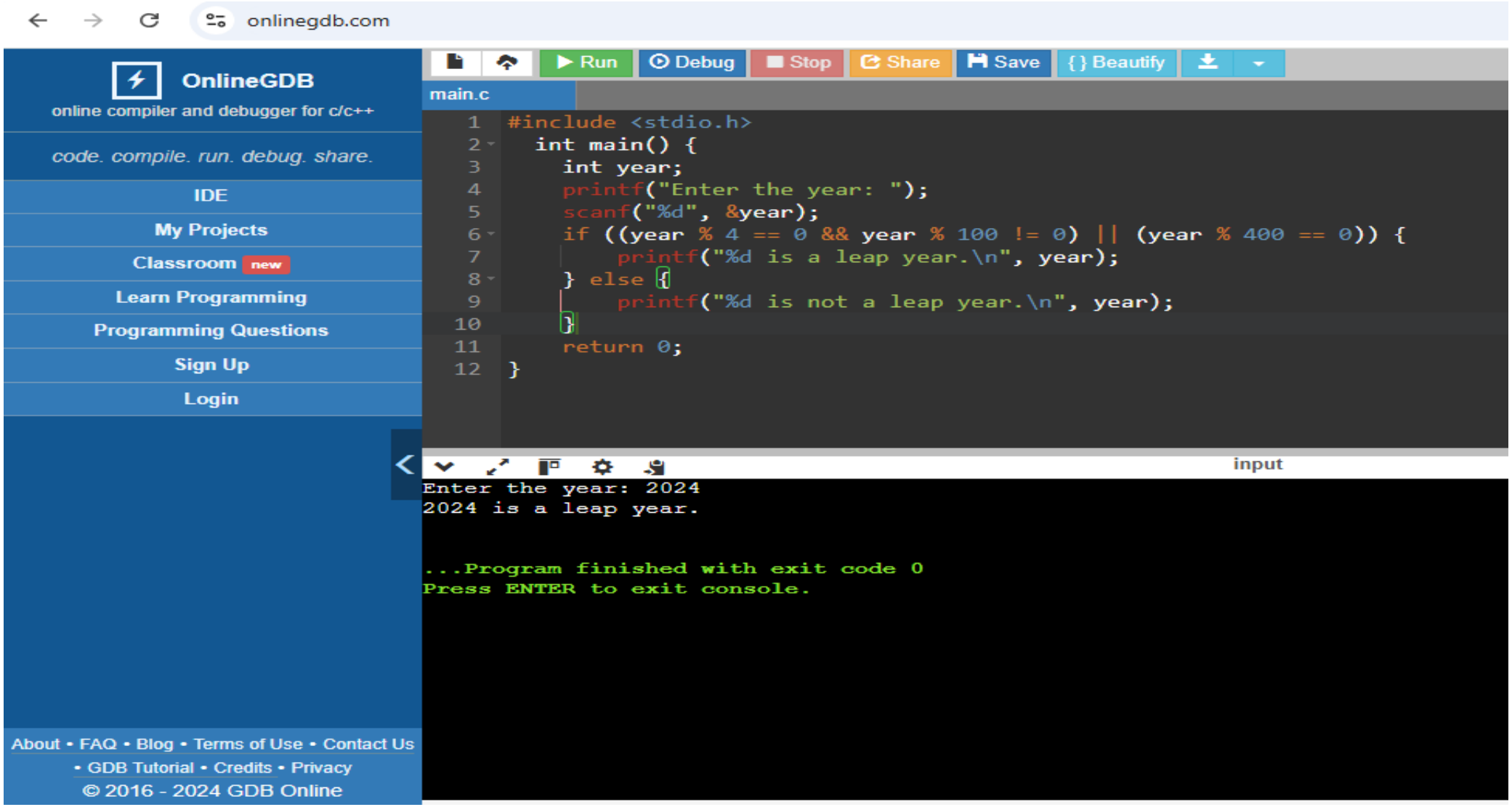
Student Grade Comparison:
Compare the marks of two students to determine who scored higher, or if they have the same marks.



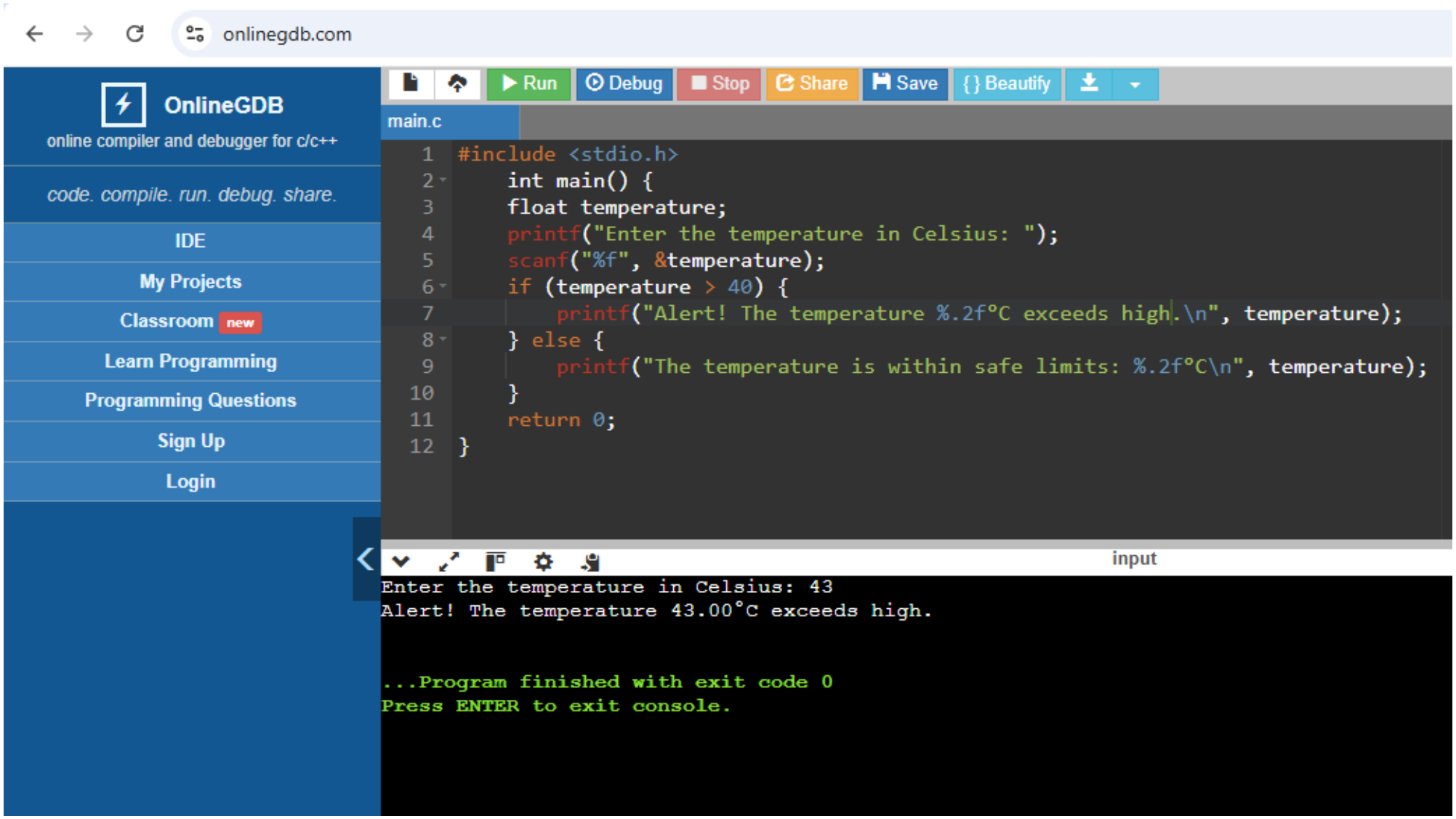
Find the Largest of Three Numbers:
Write a program to compare three numbers and determine the largest number using relational operators.



Leap Year Check:
Use relational operators to determine if a given year is a leap year (divisible by 4 but not by 100 unless divisible by 400).

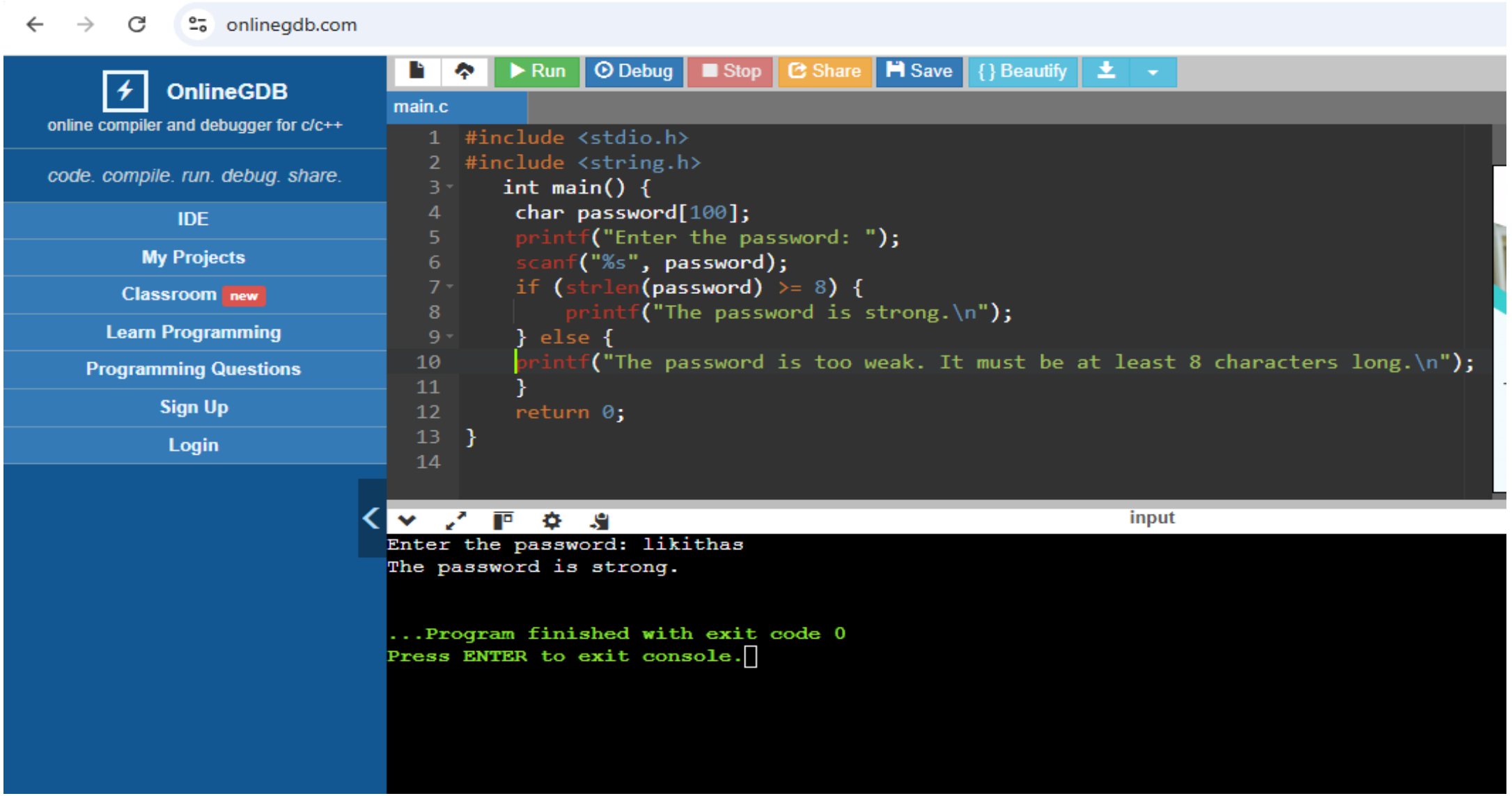


Temperature Alert:
Write a program to check if the temperature exceeds a threshold value (e.g., greater than 40 degrees Celsius) and display an alert message.

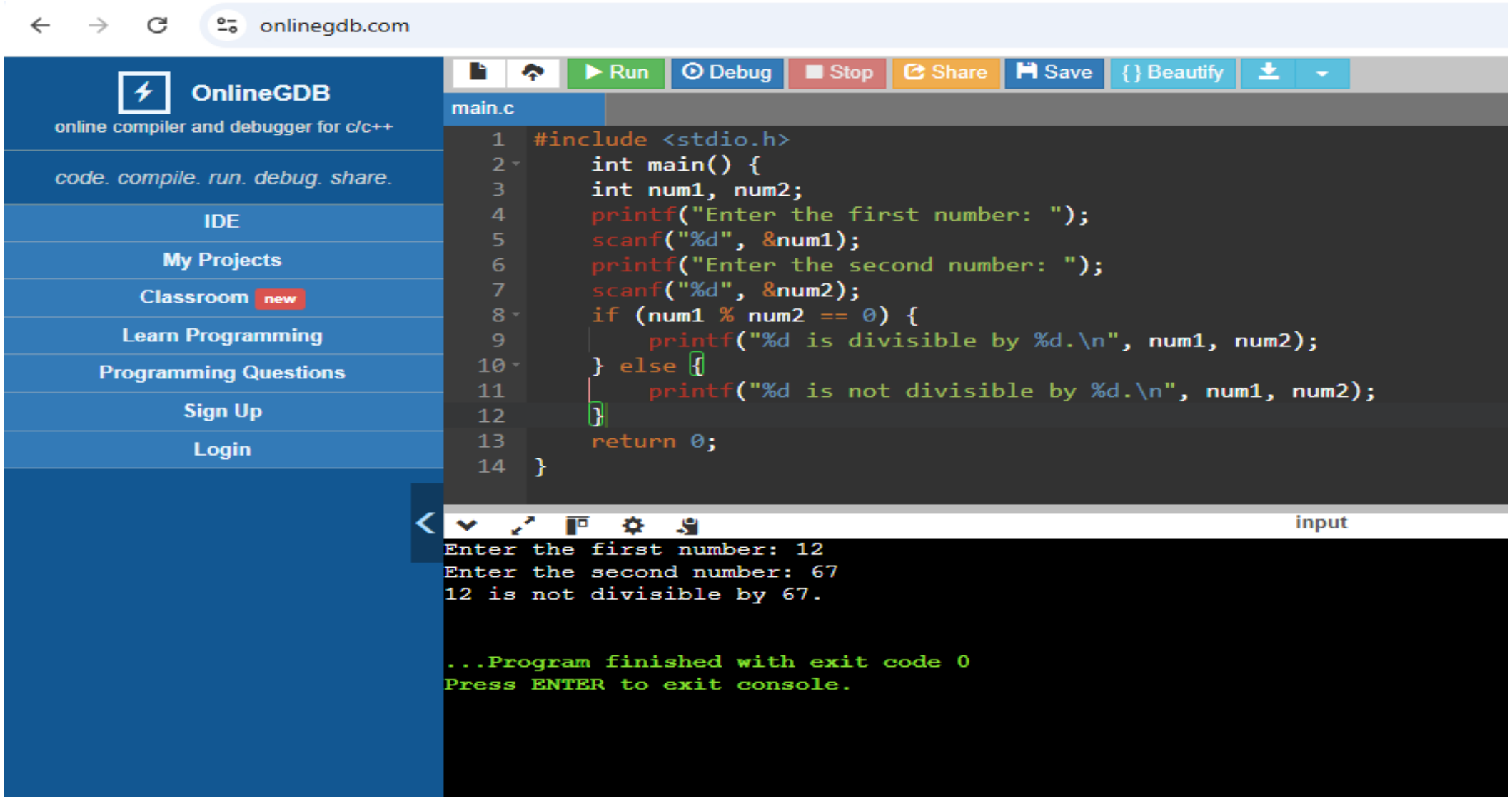


Password Strength Validation:

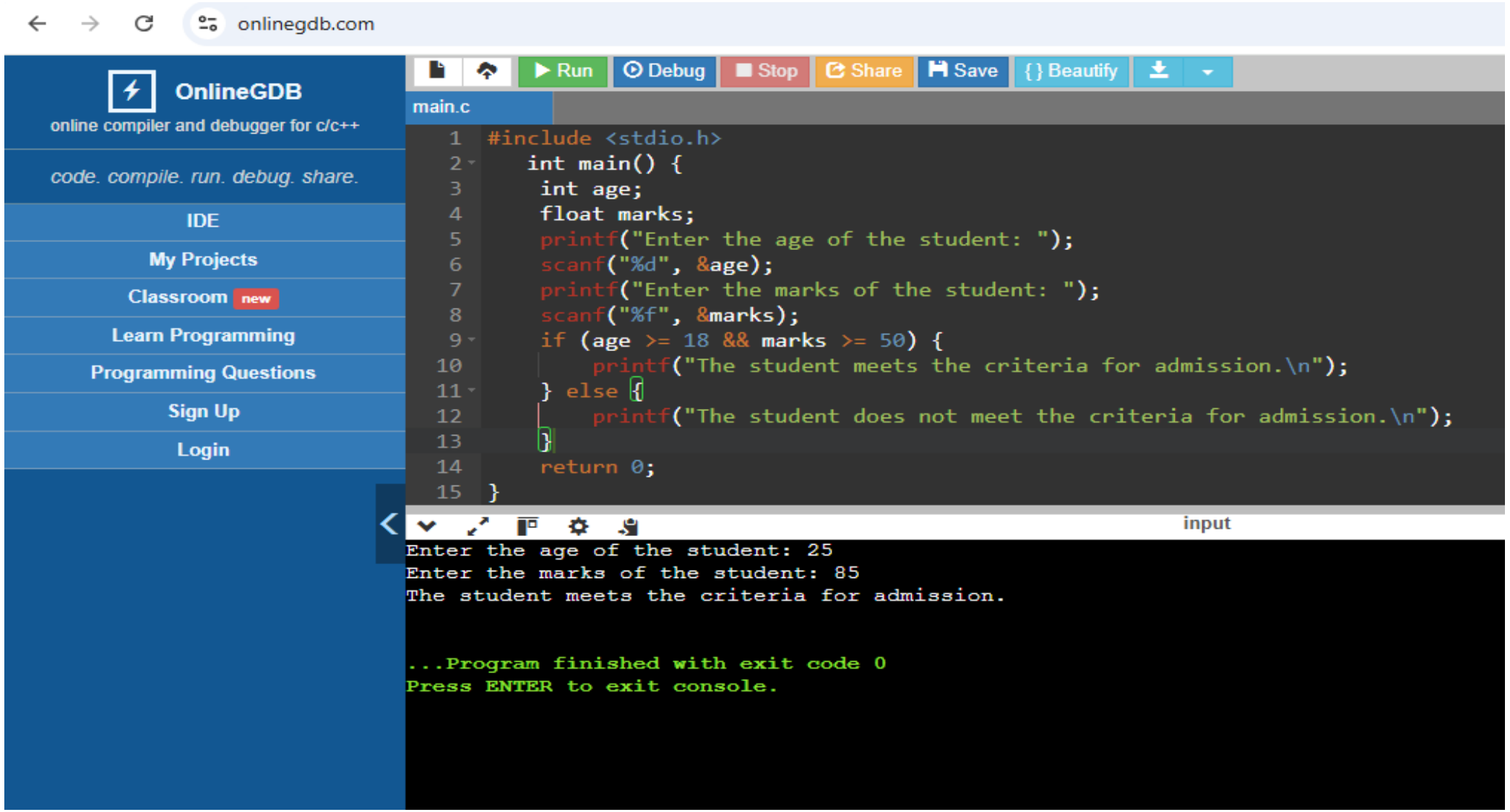
Given the length of a password, check if it meets the minimum requirement of 8 characters using relational operators.



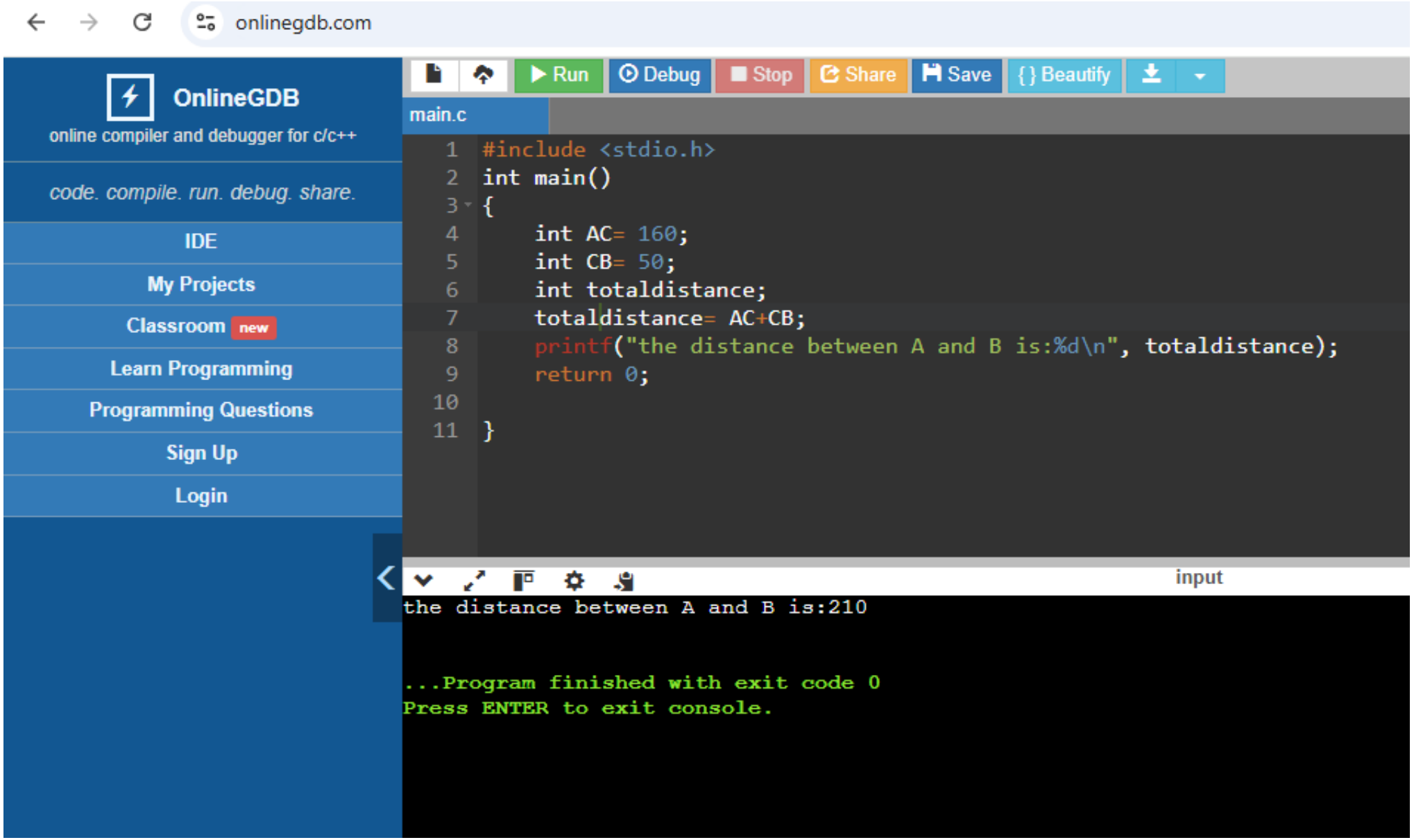
Check Divisibility:
Write a program to determine if one number is divisible by another using relational operators.



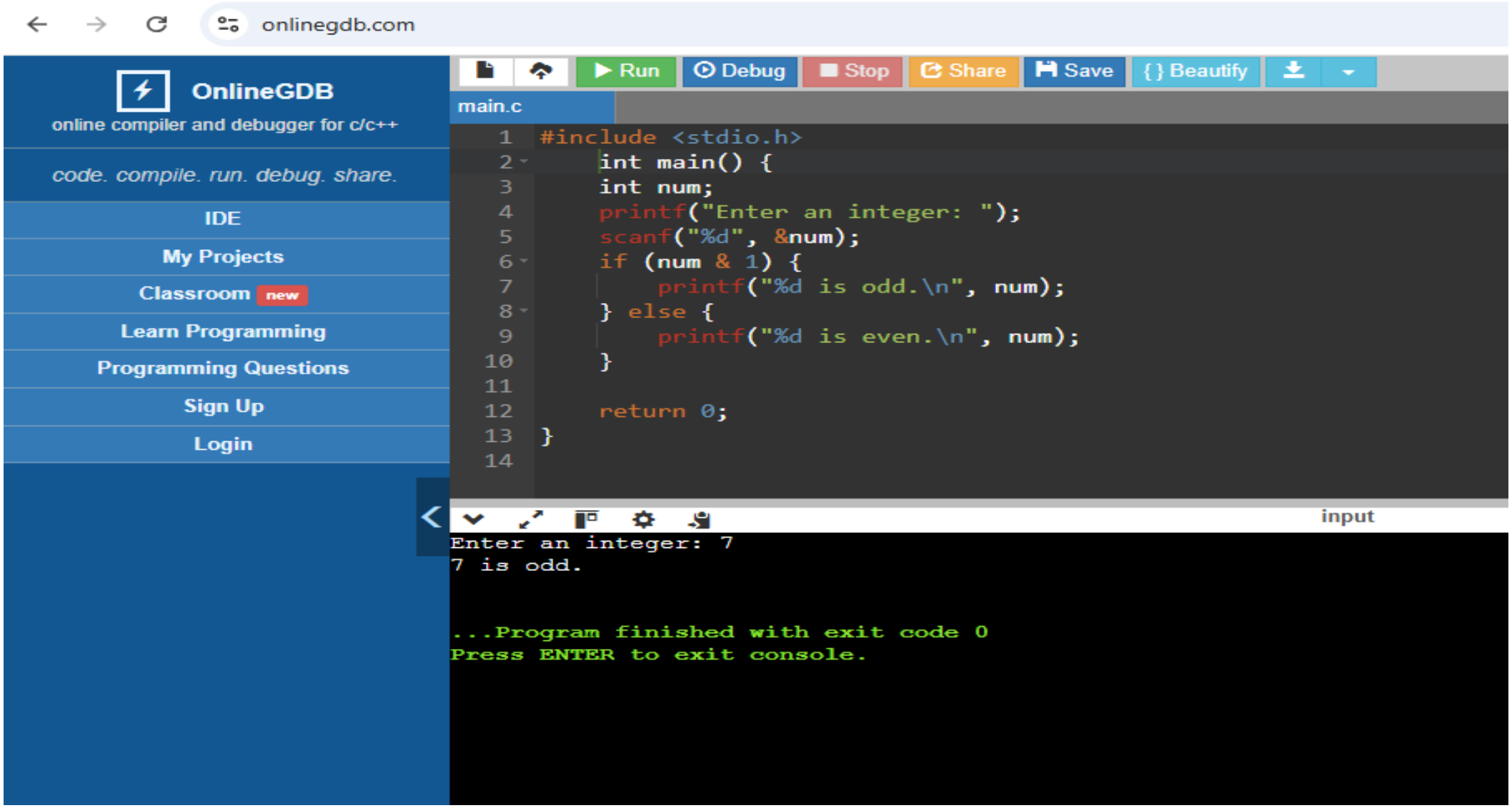
Admission Criteria:
Check if a student meets the criteria for admission to a course based on their age (greater than or equal to 18) and marks (greater than or equal to 50).



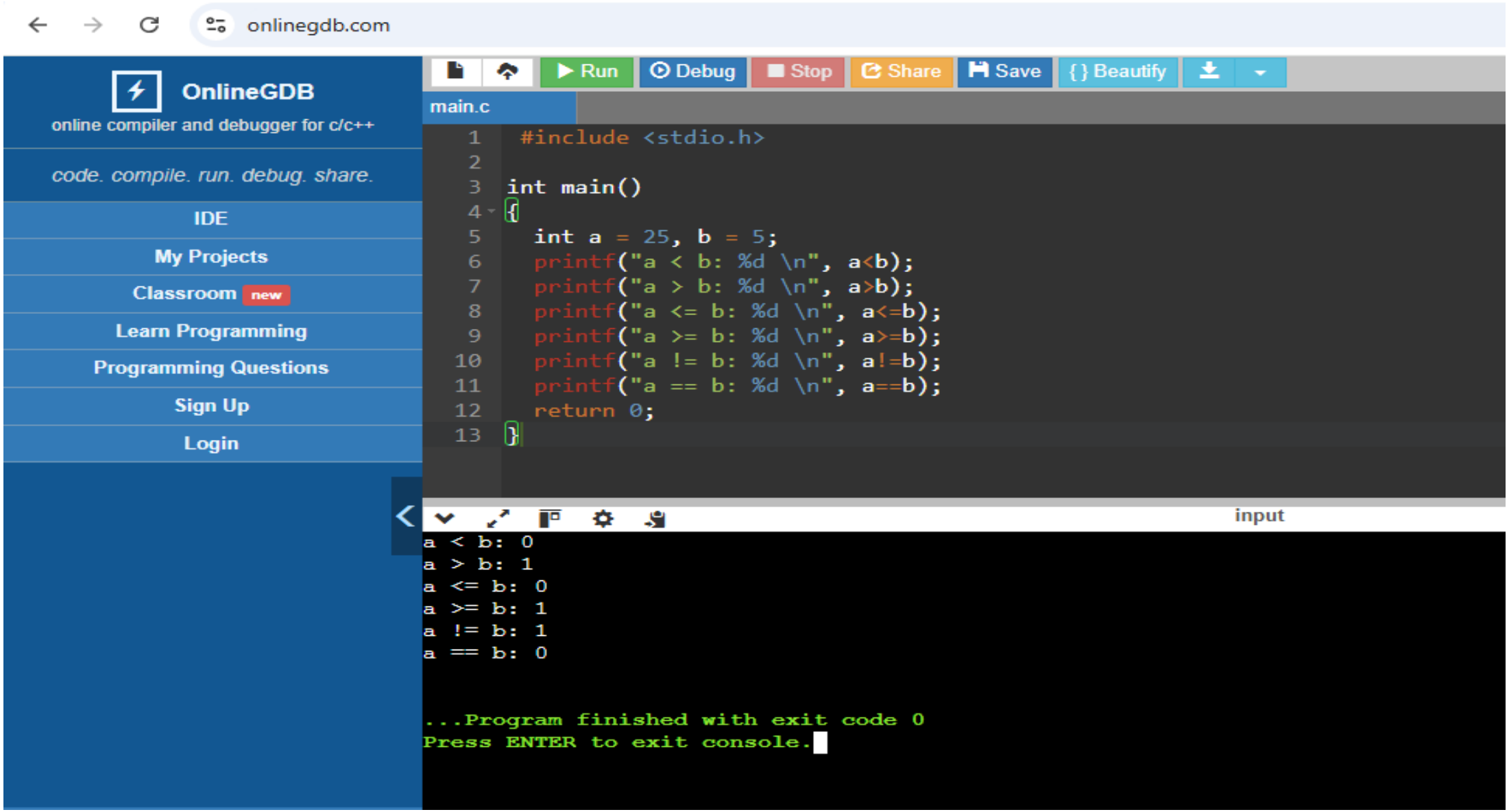
Write a Program to calculate the total distance between A and B. Where AC= 160, CB = 50



Write a program to check wheather a number is even or odd without using modulus operator.



Write a Program to show case the usage of all Relational Operator.



Write a program to show case the usage of all the arithmetic operators.