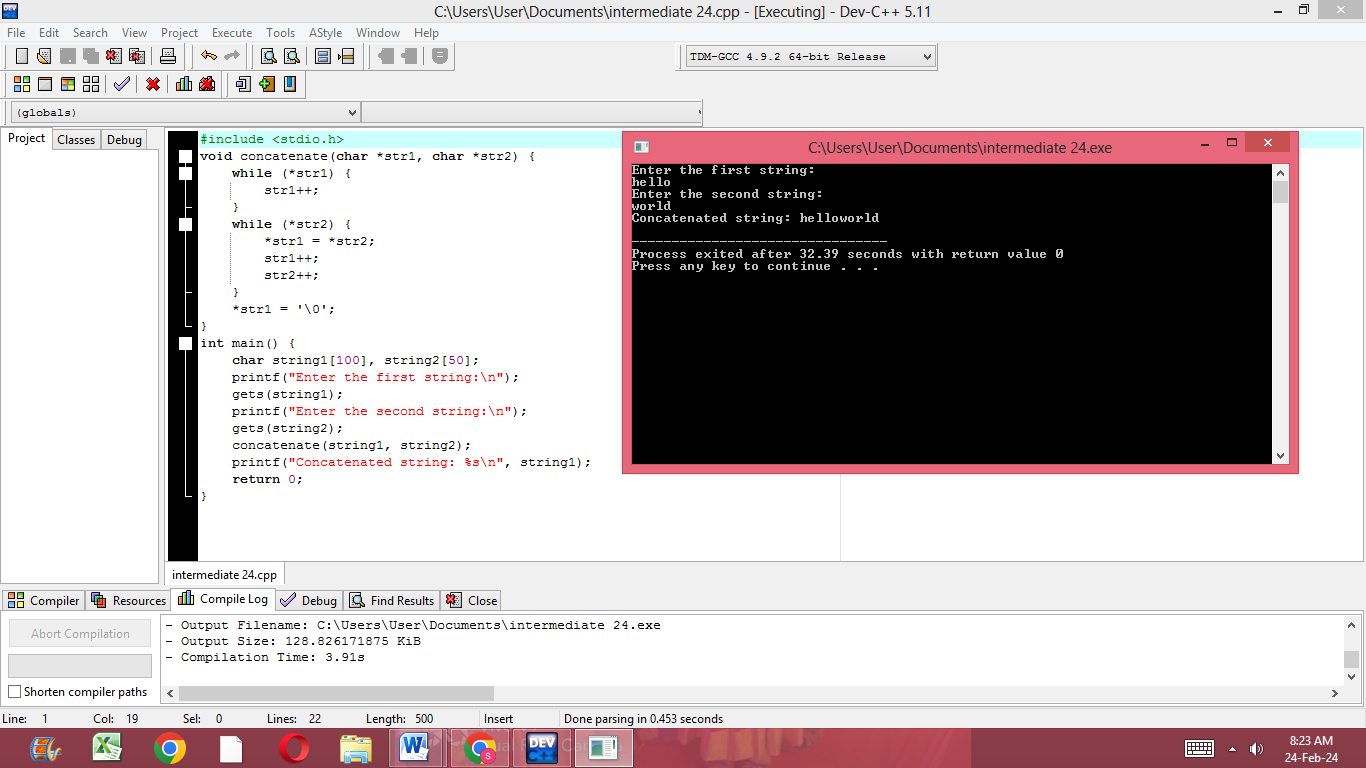
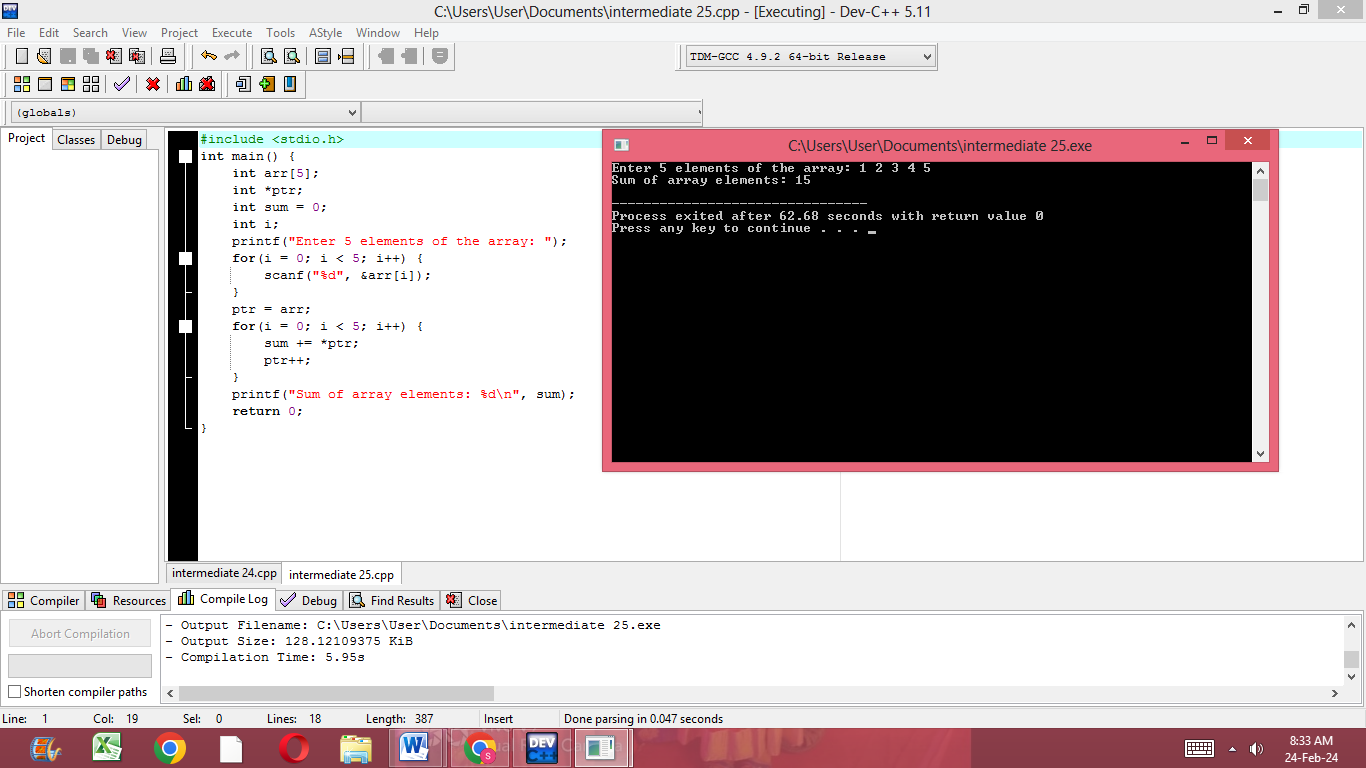
DAY 4 CLASSWORK: INTERMEDIATE LEVEL

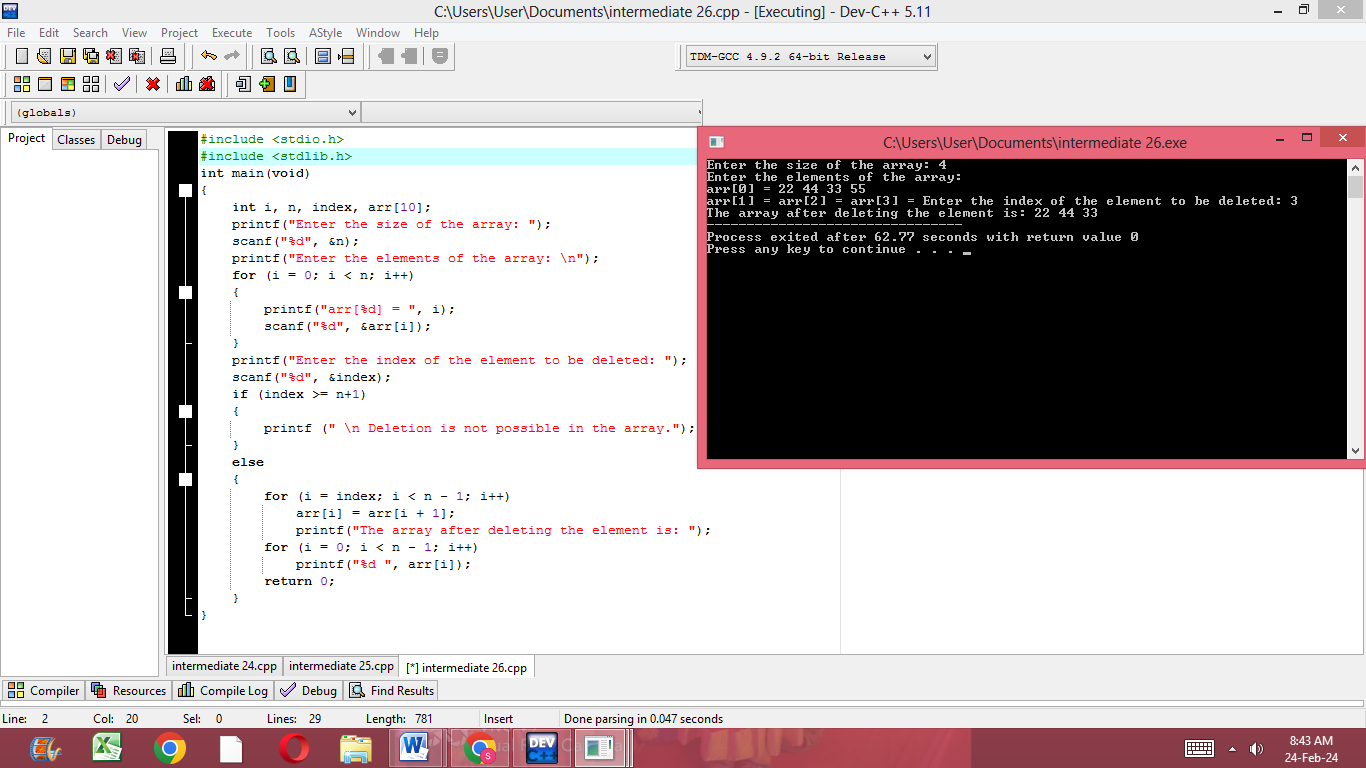
24.Write a program to concatenate two strings using pointers.



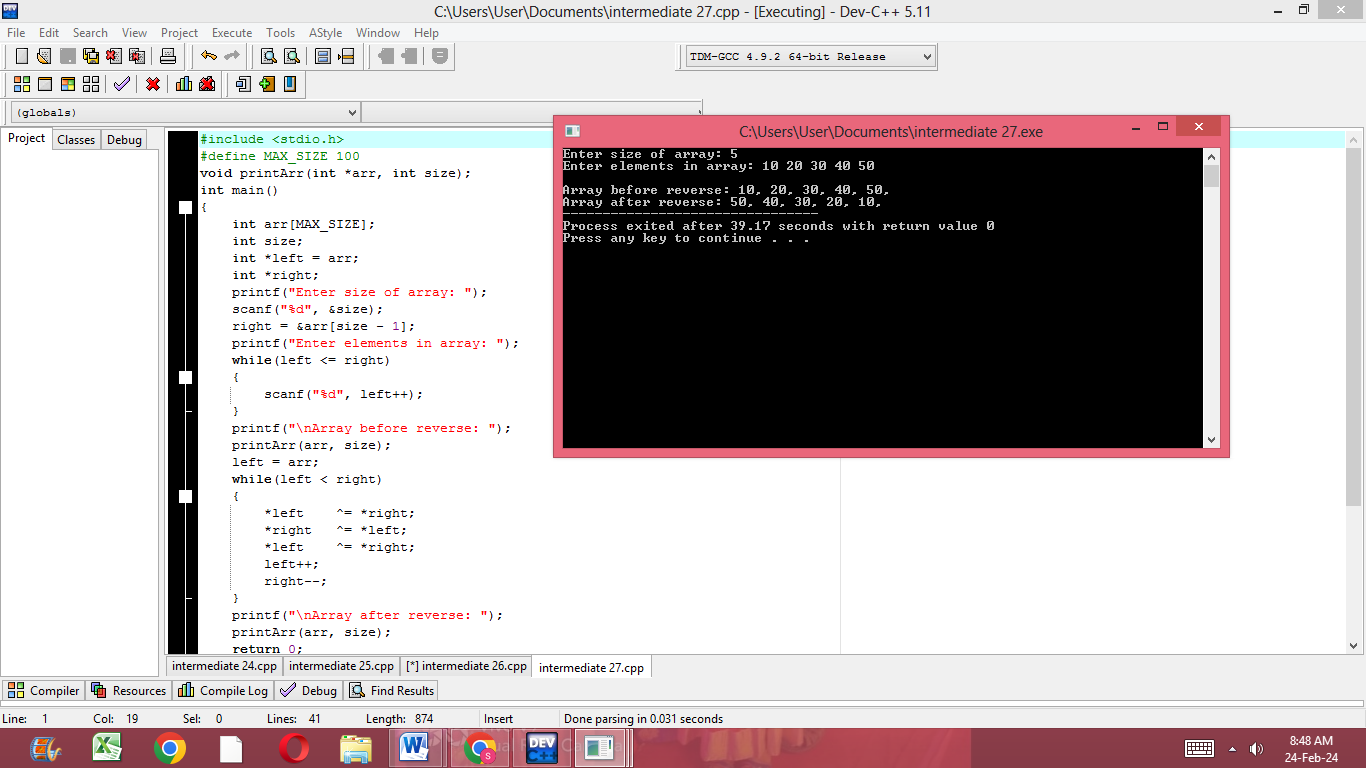
25.Write a program to find the sum of elements in an array using pointers.



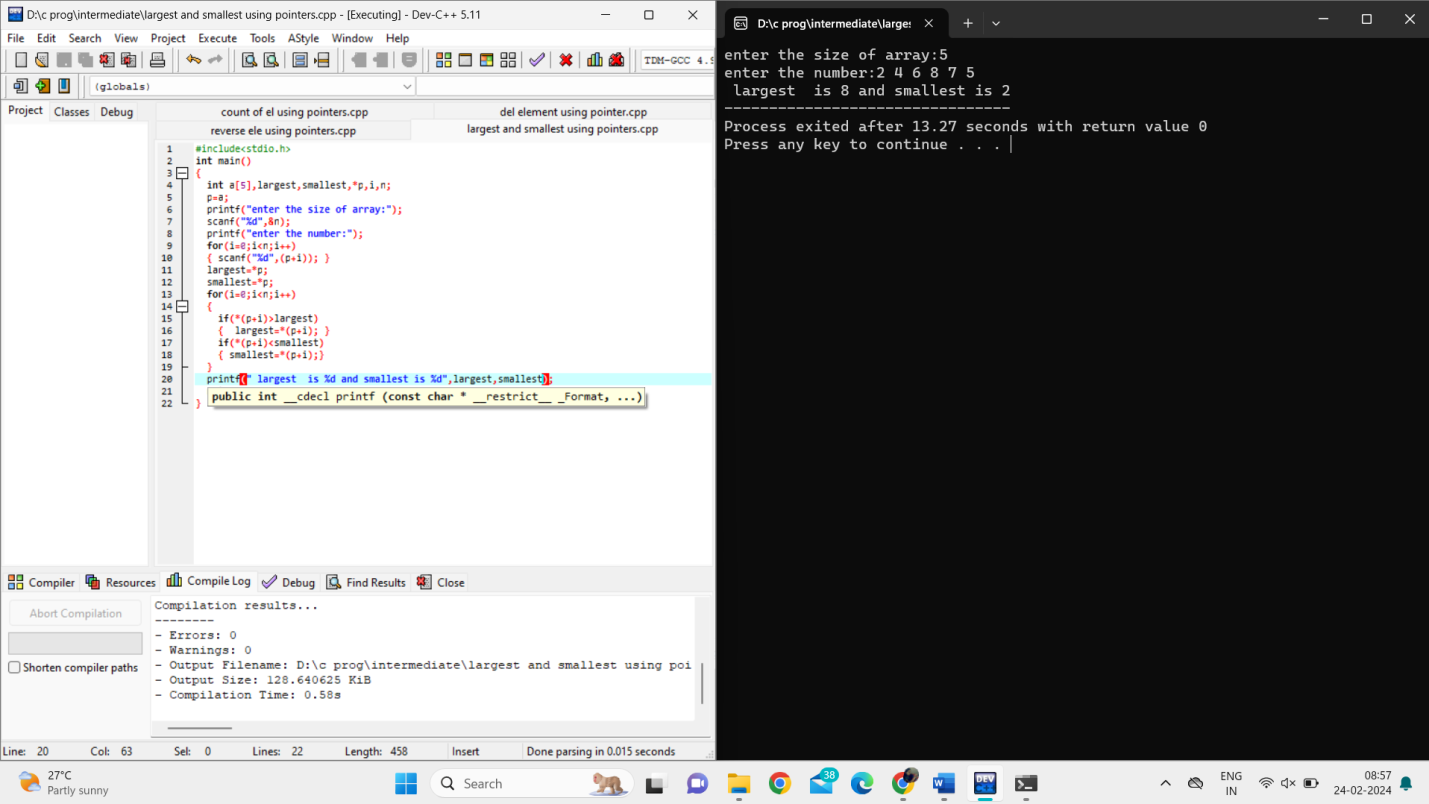
26.Write a program to delete an element from an array using pointers.



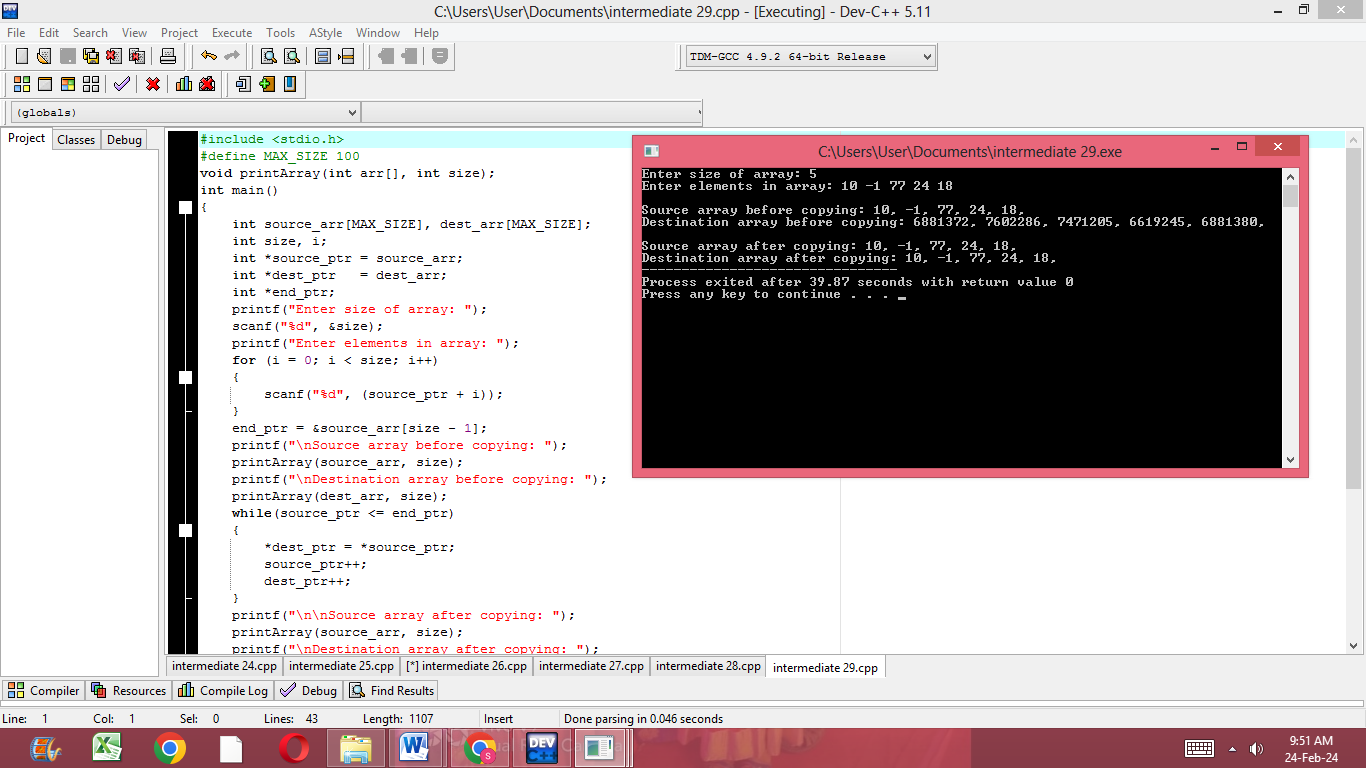
27.Write a program to reverse an array using pointers.



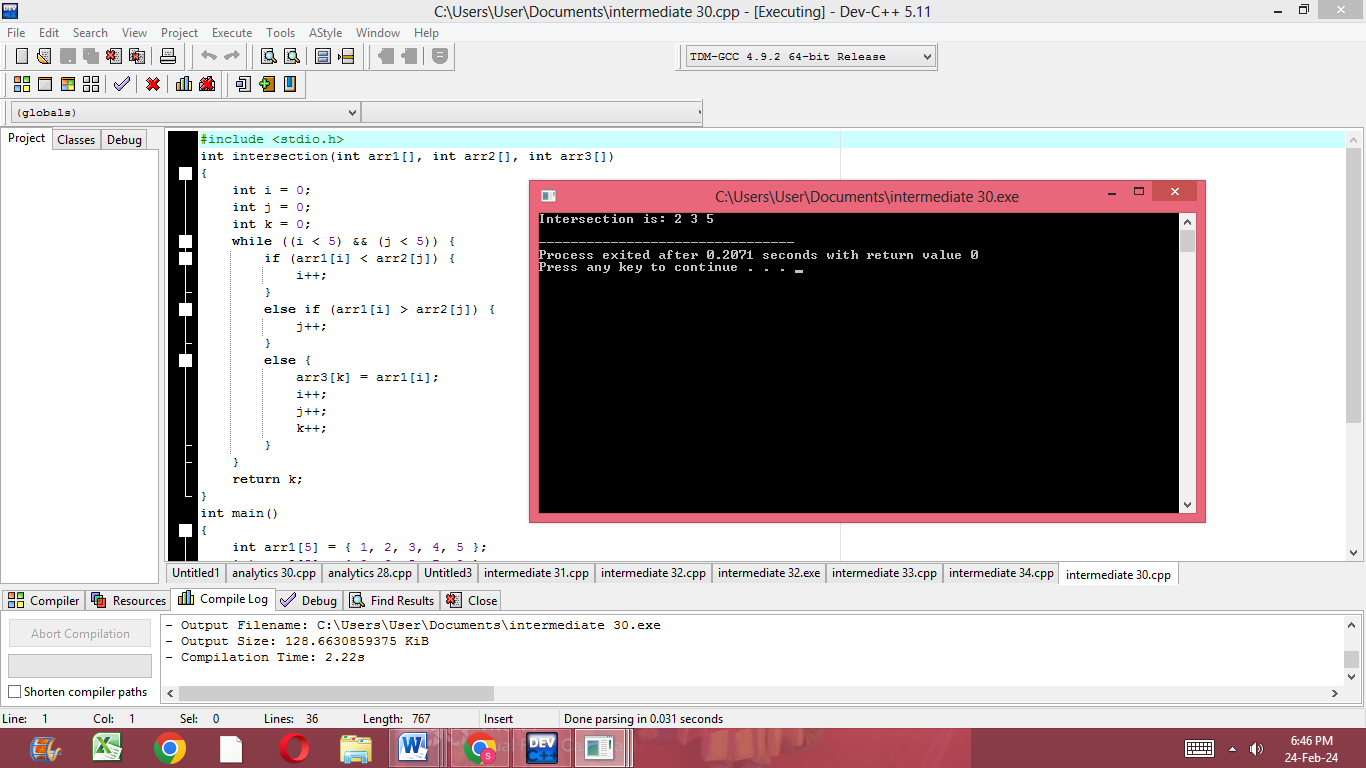
28.Write a program to find the largest and smallest elements in an array using pointers.



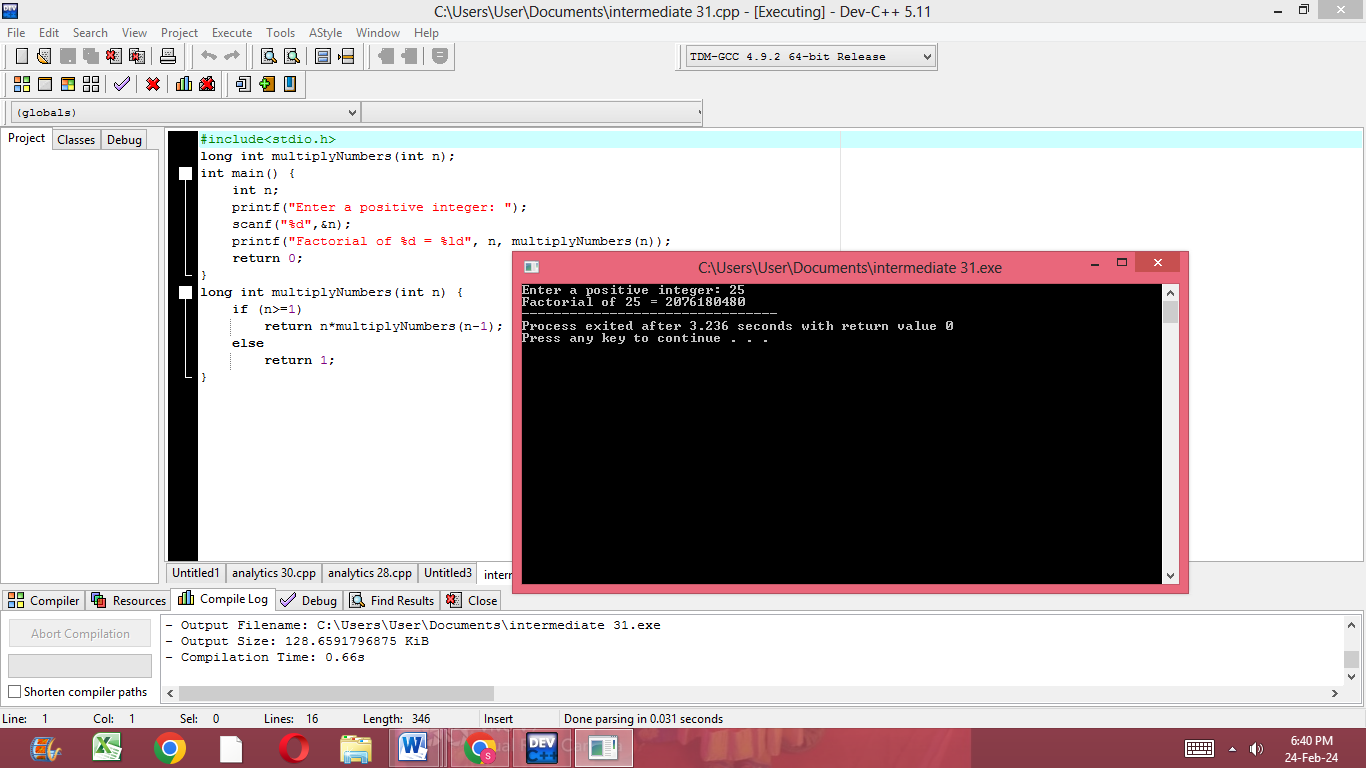
29.Write a program to copy the contents of one array to another using pointers.



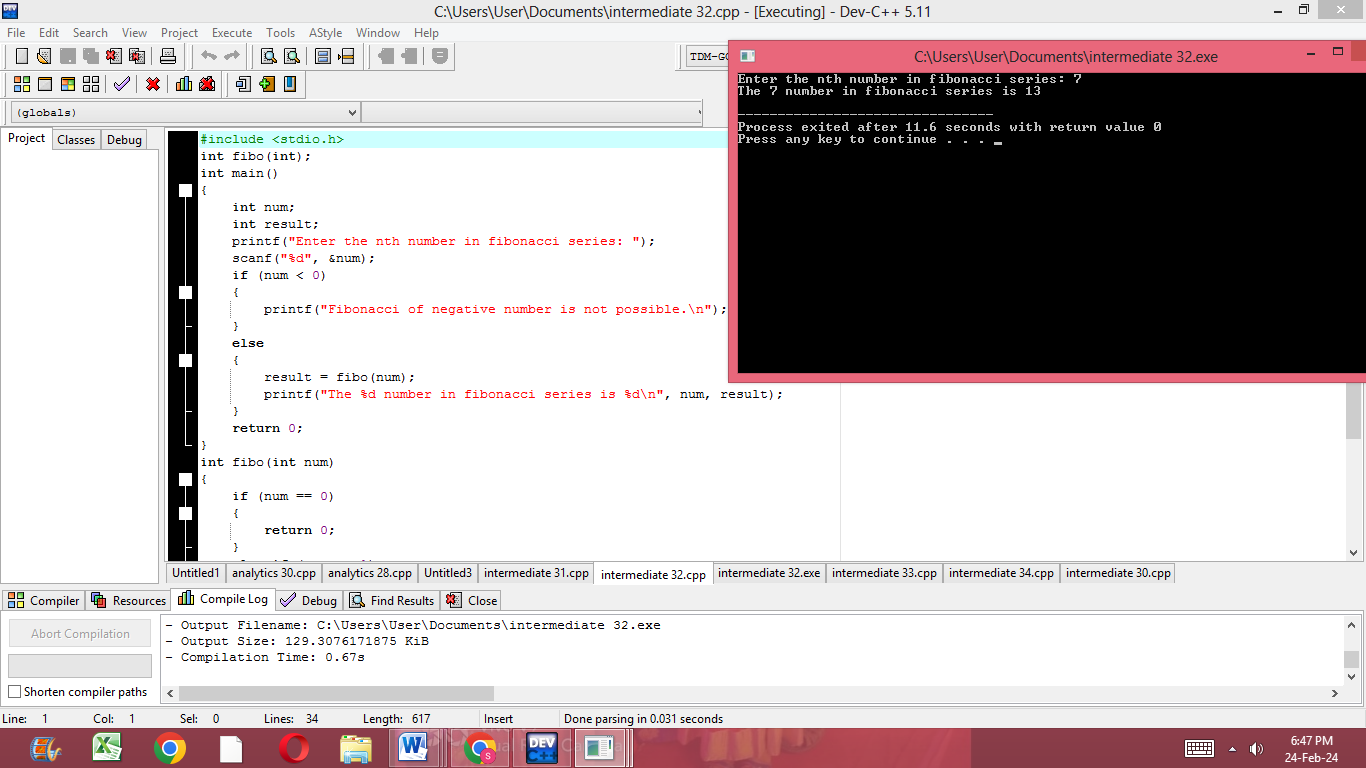
30.Write a program to find the intersection of two arrays using pointers.



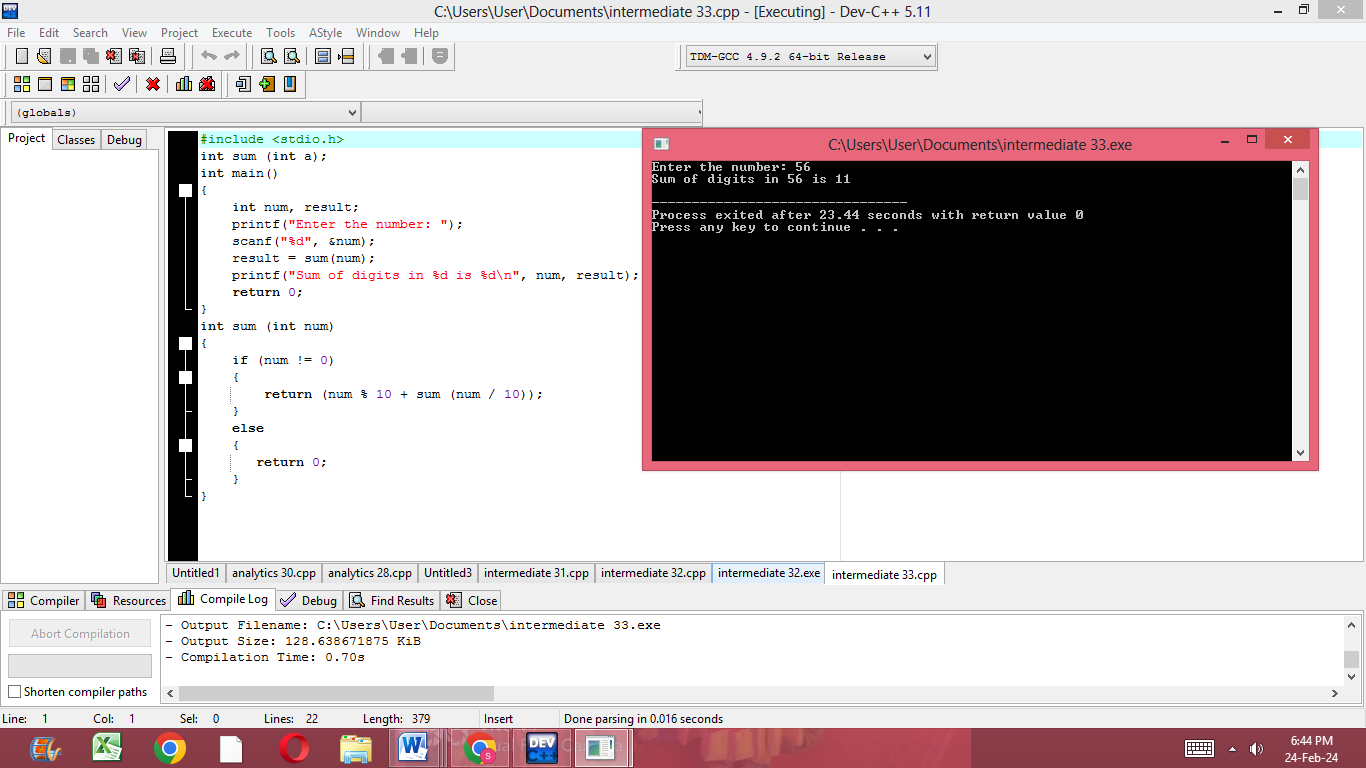
31.Write a recursive program to calculate the factorial of a given number.



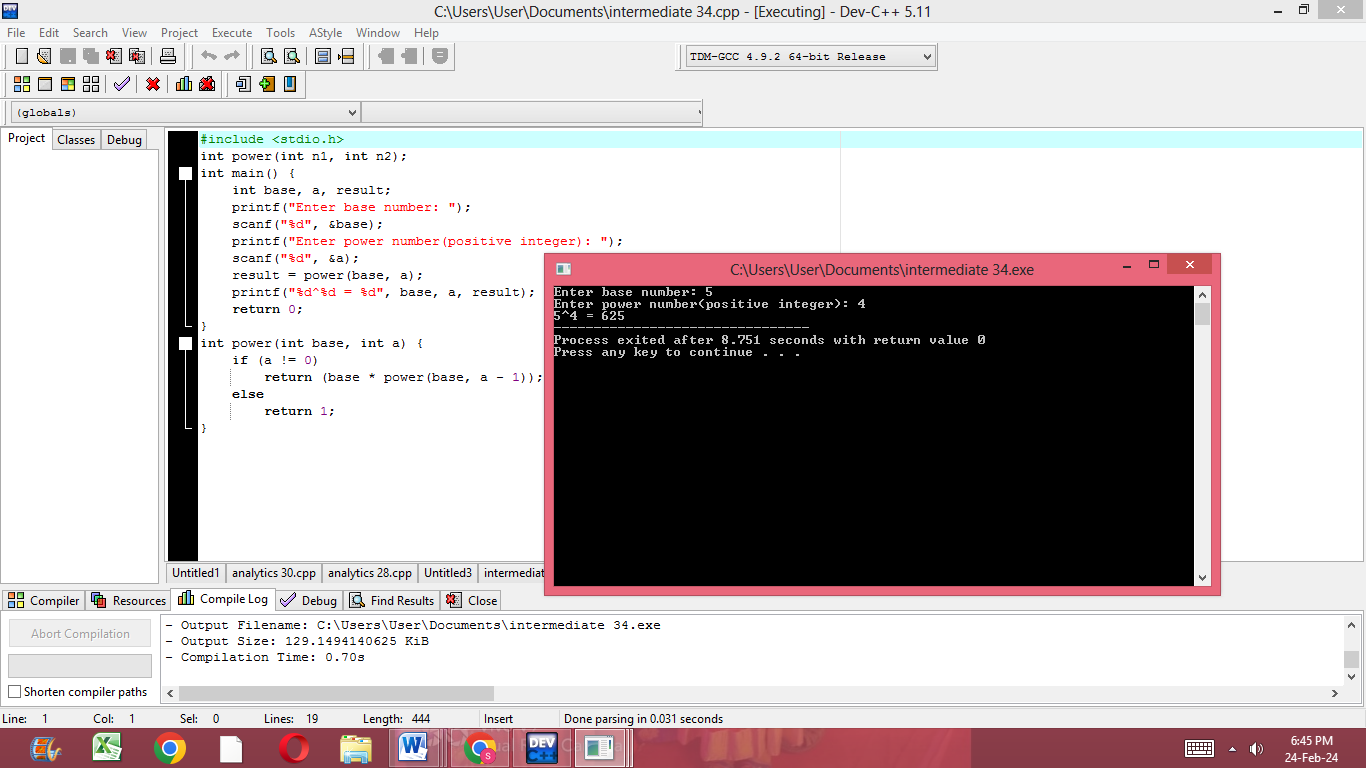
32.Implement a recursive program to find the nth Fibonacci number.



33.Write a program to recursively calculate the sum of digits in a given number.

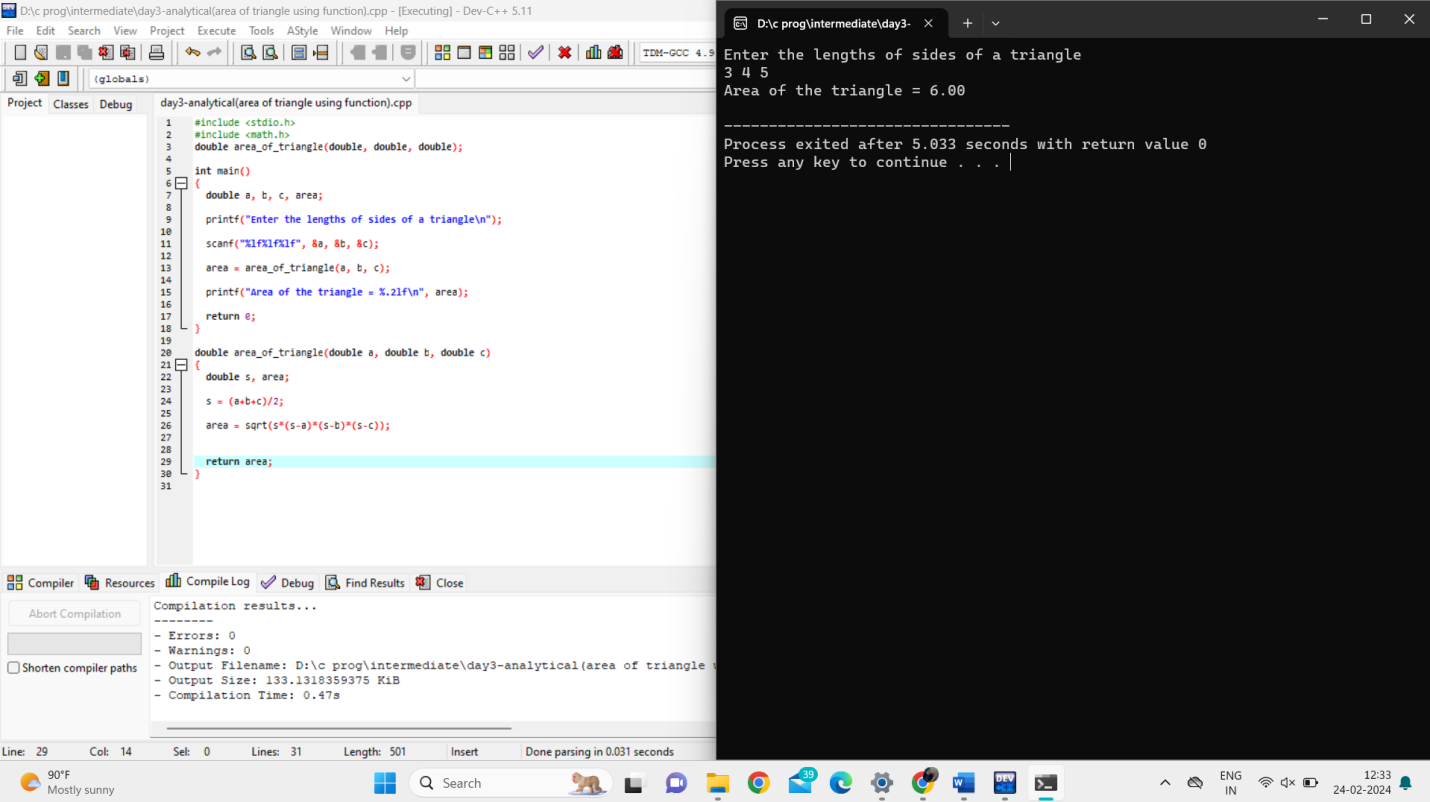


34.Implement a recursive program to calculate the power of a number.

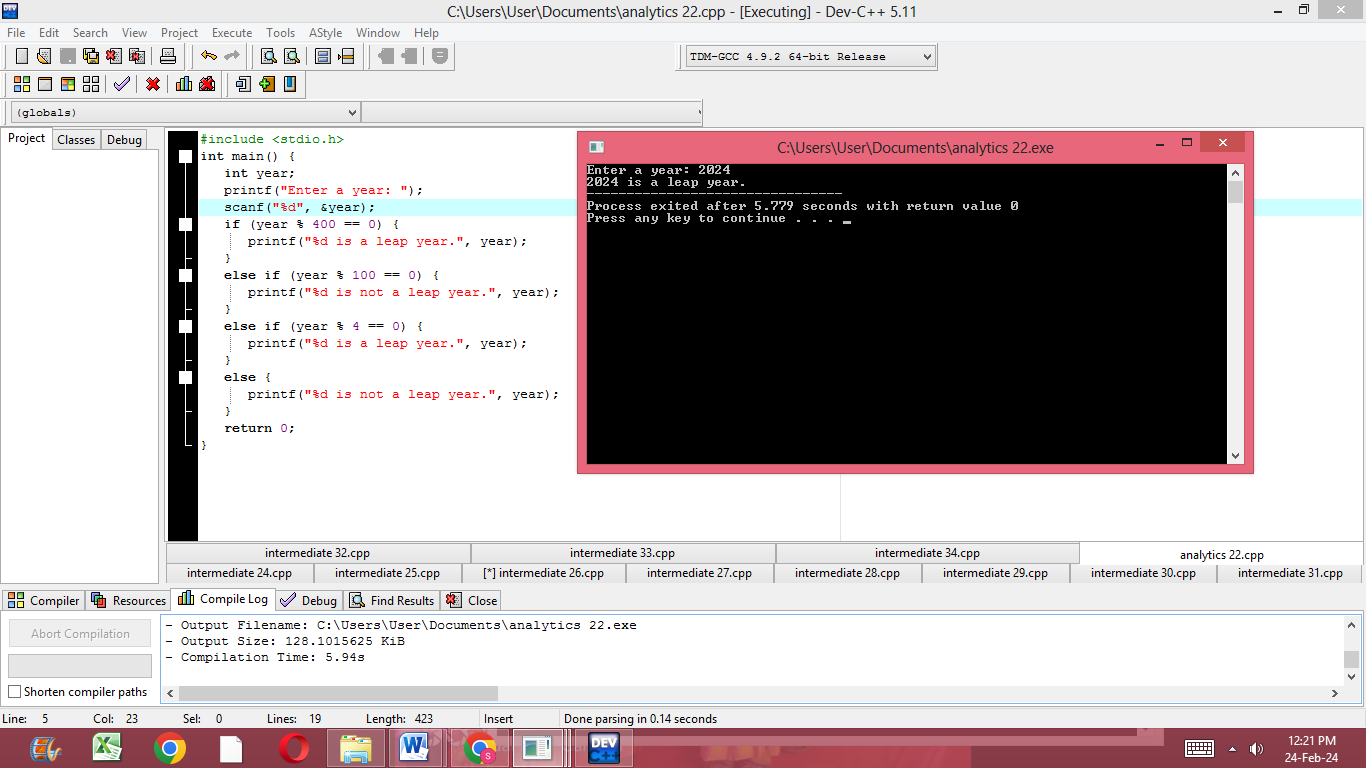


ANALYTICS:

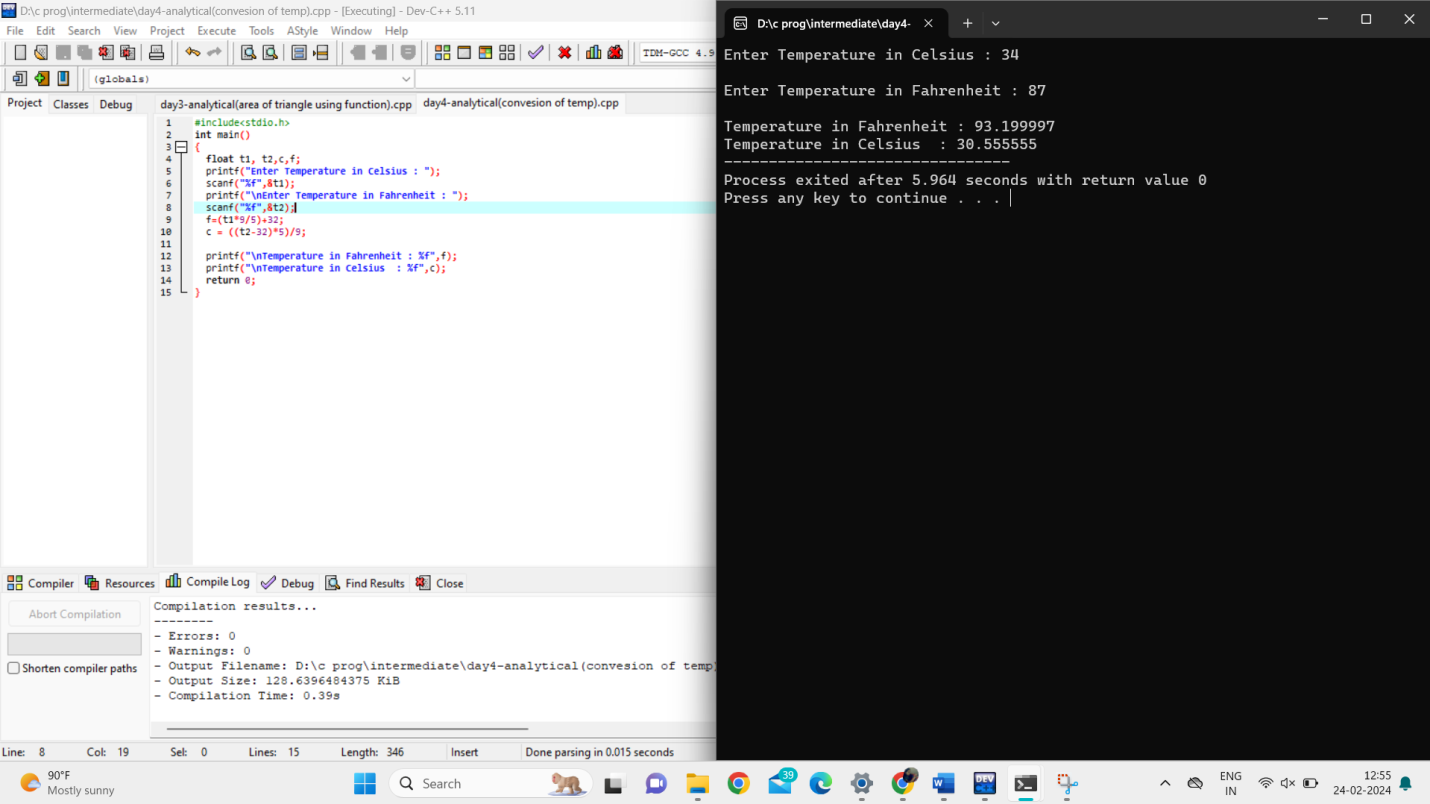
21.Write a C program to implement a function that calculates the area of a triangle given its three sides.



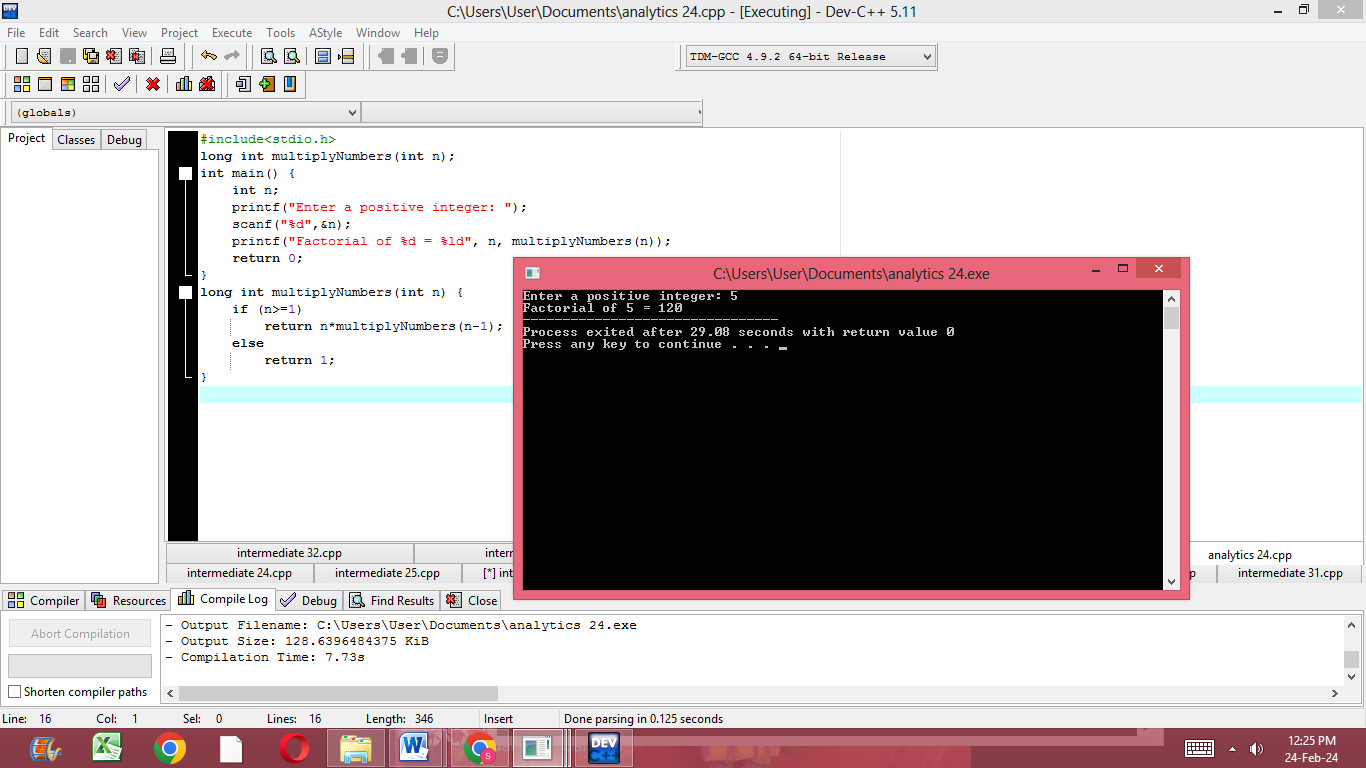
22.Write a C program to implement a function that checks whether a given year is a leap year or not.



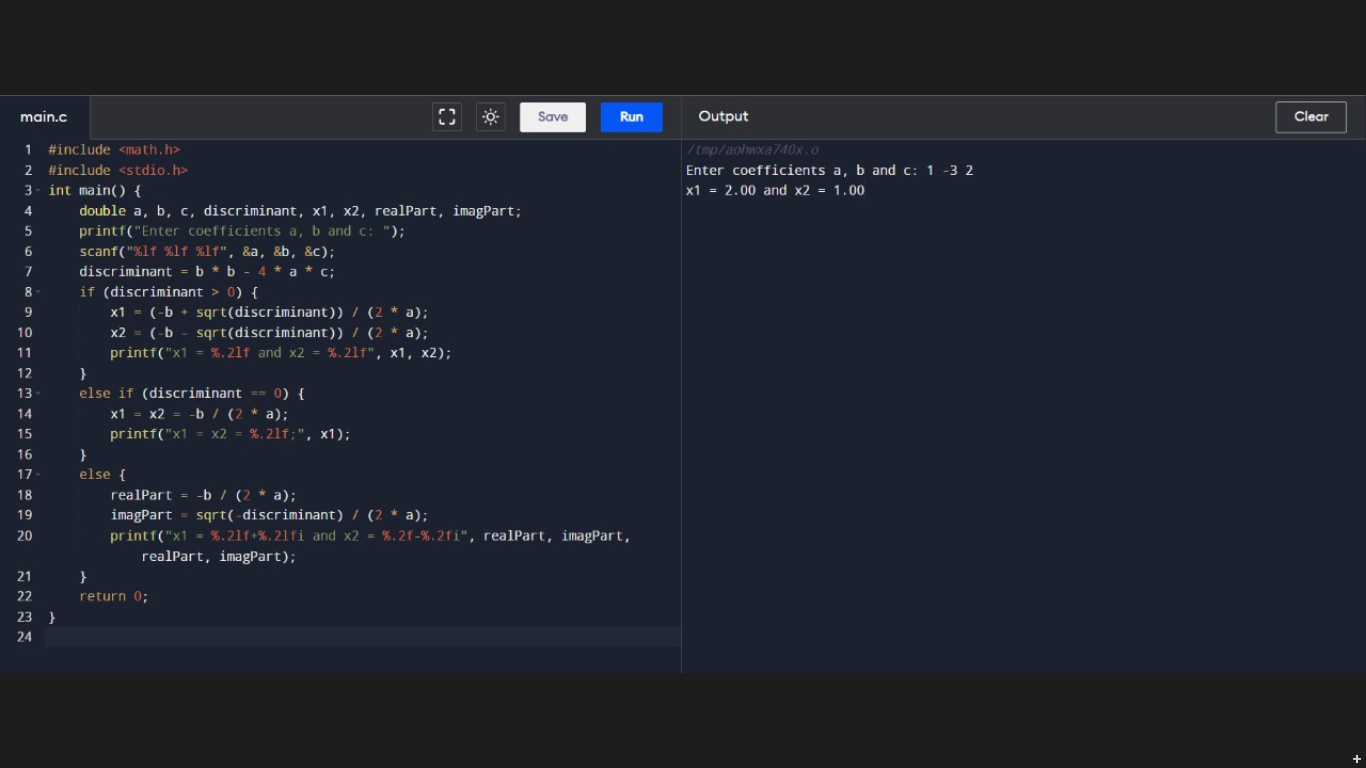
23.Write a C program to implement a function that converts a temperature from Celsius to Fahrenheit and vice versa.



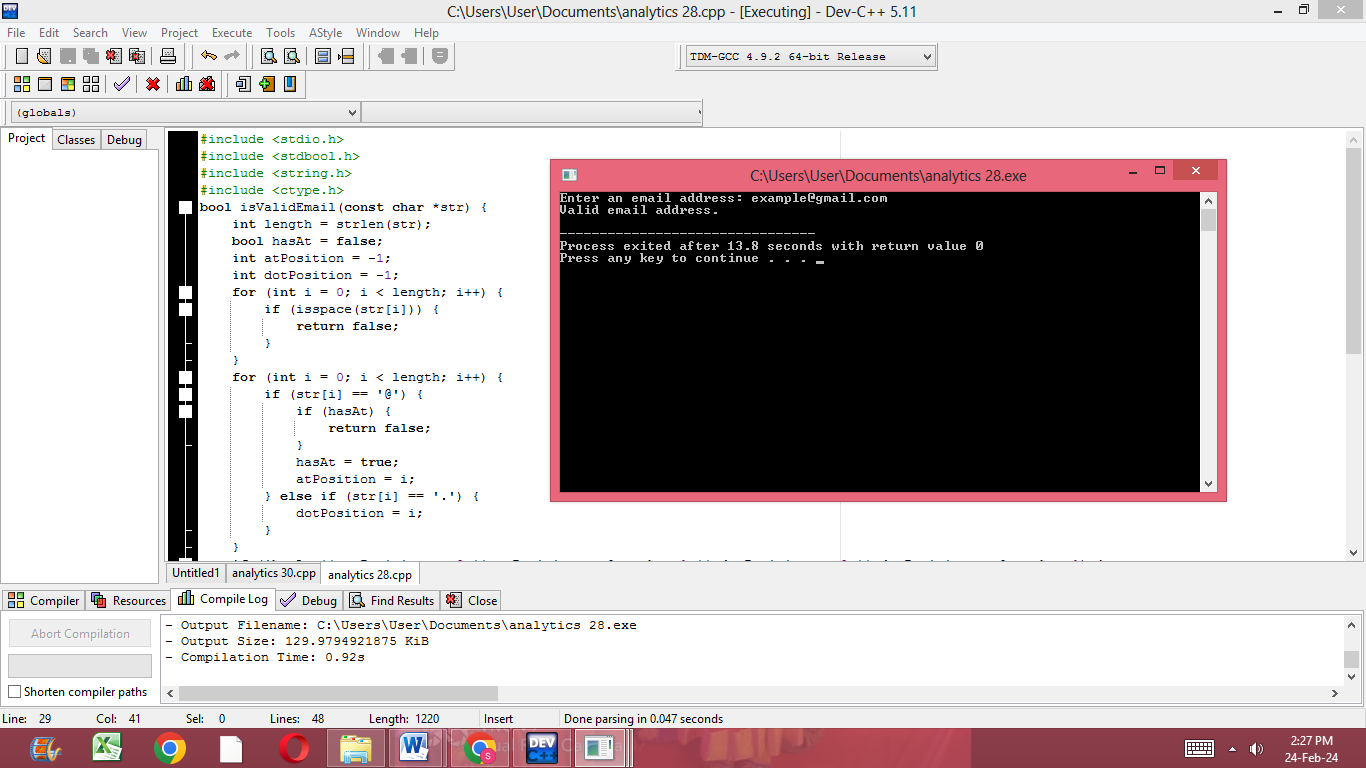
24.Write a C program to implement a function that calculates the factorial of a given number using recursion.



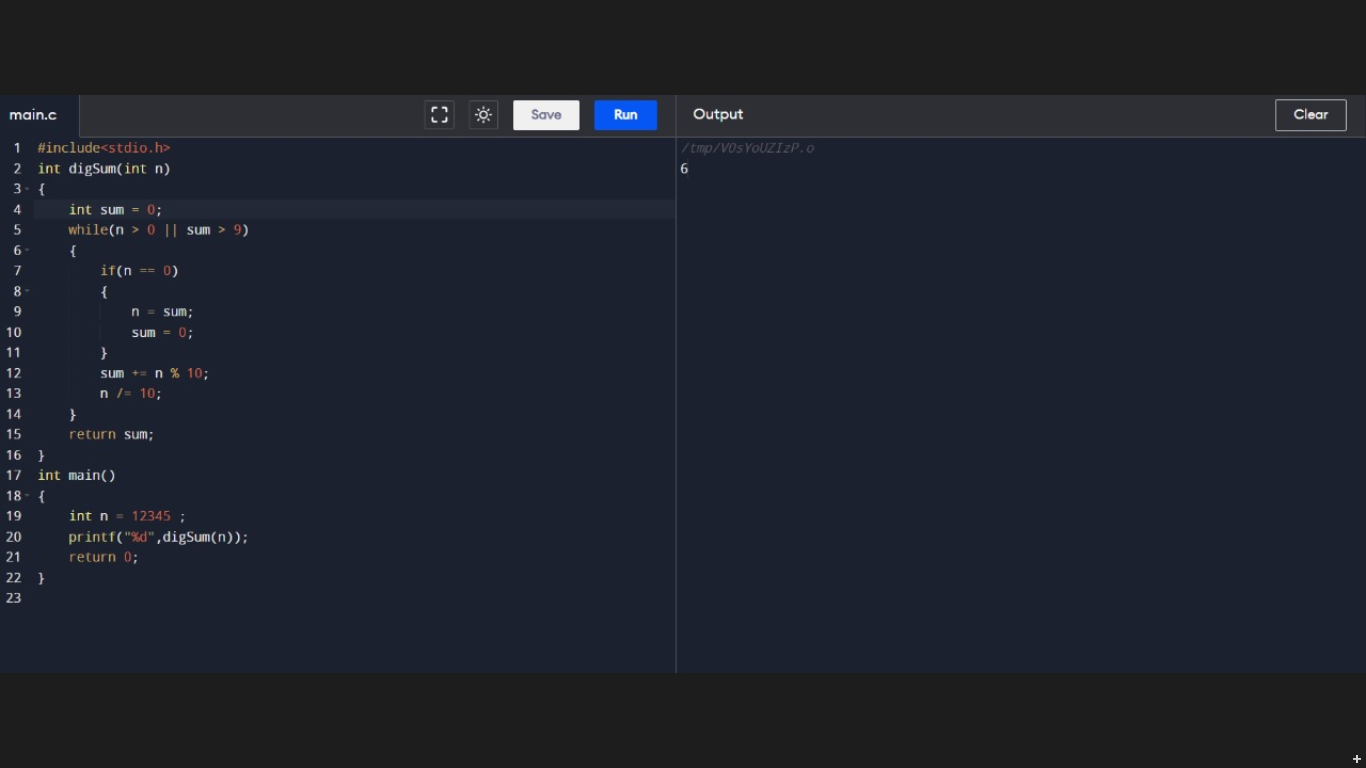
27.Write a C program to implement a function that finds the roots of a quadratic equation ax^2 + bx + c = 0.



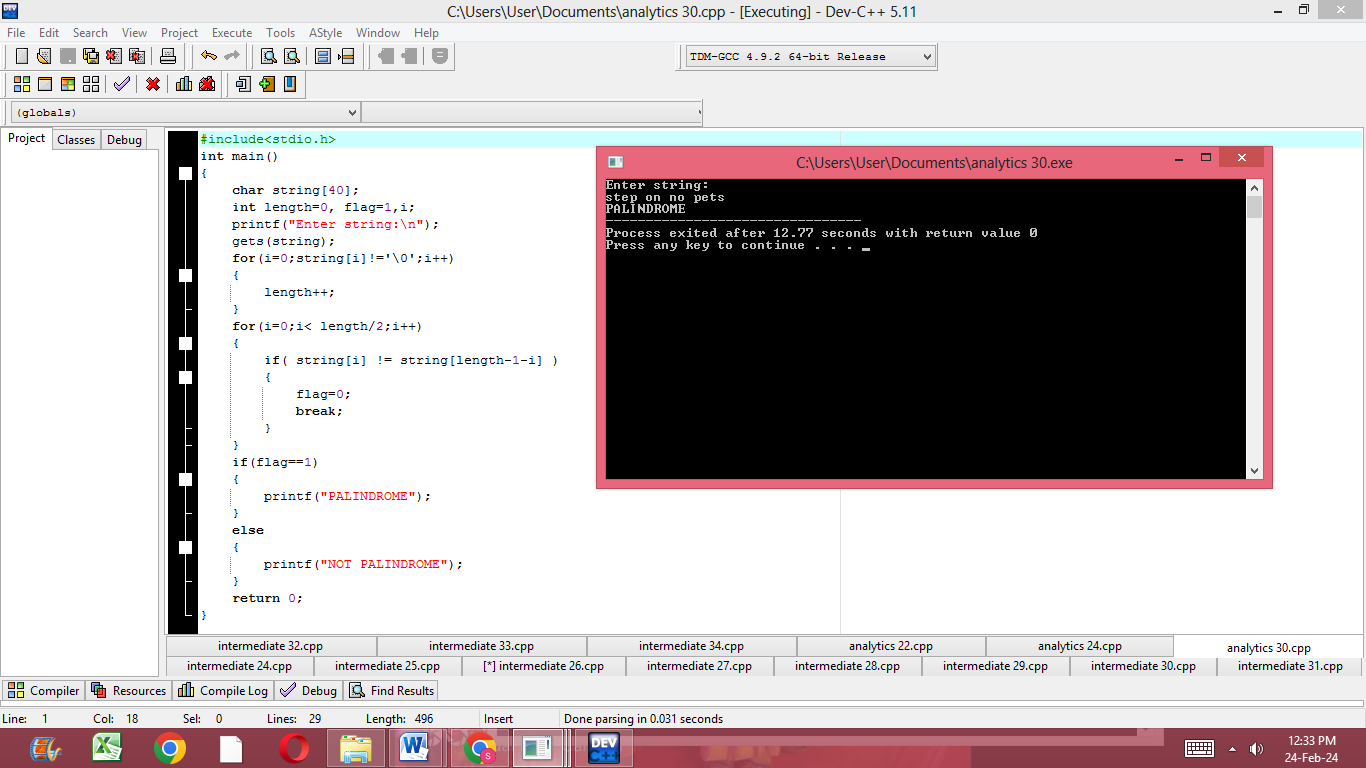
28.Write a C program to implement a function that checks whether a given string is a valid email address or not**.**



29.Write a C program to implement a function that calculates the sum of digits of a given number until it becomes a single-digit number (digital root).



30.Write a C program to implement a function that checks whether a given number is a palindrome or not without converting it to a string.



32.Write a C program to implement a function that checks whether a given string is a valid palindrome ignoring spaces, punctuation, and capitalization.

