Contents

13.	Calculate and print roots of a quadratic equation $ax^2 + bx + c = 0 \ (a \neq 0)$. The coefficients of quadratic equations a, b, c are received as parameters.		
14.	Enter a positive integer and its base. Write a program to display the number, base, and its converted form.		
15.	Input ten characters and count how many are uppercase, lowercase, digits & special symbols.		
16.	Input two nos. and print their sum using function.		
17.	Enter two dates in dd-mm-yy format. Write a program to calculate the difference in days.		
18.	Show the use of recursion in calculation of power. e.g. a^b.		
19.	Print Fibonacci series up to 10 terms using recursive function.		
20.	Search for a particular no. in an array of 10 nos. using Linear Search.		
21.	Search for a particular no. in an array of 10 nos. using Binary Search.		
22.	Sort the elements of any array of 10 nos. in ascending order using Selection Sort.		
23.	Sort the elements of any array of 10 nos. in ascending order using Bubble Sort.		
24.	Store elements in a 2D array & display the elements in metrics form.		
25.	Store elements in a 2D array & transpose the elements.		
26.	Store elements in a 2D array & find highest element of each row.		
27.	Store elements in a 2D array & find sum of each diagonal and compare which is greater.		
28.	Check whether two arrays (of characters) are identical.		
29.	Input a string and check it is palindrome or not.		
30.	Input two string and check whether the two strings are equal or not.		
31.	Concatenate two inputted strings.		
32.	Extract 'm' characters from a string, starting at the 'nth' character, and print it.		
33.	Define a Circle structure with a radius. Write a C program to calculate and display the area and perimeter of two circles.		
34.	Define a structure named 'Employee' with employee ID, name, and salary. Write a program to input data for three employees, find the one with the highest salary, and display their details.		

35.	Define a structure named "Date" with members day, month, and year & input two dates and find the difference in days between them.		
36.	Create a structure named Complex to represent a complex number with real and imaginary parts & write program to add and multiply two complex numbers.		
37.	Write a program to copy one file to another. It should take file names from the user and refuse to copy if the target file already exists.		
38.	Write a program to read characters from the keyboard. Store lowercase letters in LOWER, uppercase letters in UPPER, and other characters in OTHER.		
39.	Search the name and address of person having age more that 30 years in the file ‘persons.txt’.		
40.	Appends the contents of one file to another. Have the program take the filename from the user.		