**2007:**

1)Write a program to find area of a circle.(Use ∏ as a symbolic constant)

2)Write a program to convert given temperature in Fahrenheit to Celsius and vice versa.

3)Write a program that read the value of x and evaluate the following function using if statement and conditional operator-

y=

4)Write a program to set all diagonal elements of two dimensional to 1 and others to 0.

5)Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7 using function.

**2008:**

1)Write a program to evaluate the polynomial 3x2+5x2+6 for x=3.2 and display the result.

2) Write a program to find the number and sum of all integers greater than 100 and less than 200 that are divisible by 7.

3)Write a program to compute the digits of a given integer number.

4)Write a program which will input some numbers in an integer array and pass this to a function called minimum().This function will find the minimum of the array values and return it to the main() function for displaying it.

5)Write a program to extract a portion of character string and print the extracted, starting with the nth character.

6)Write a program which will read a text and count all occurrence of a particular word.

7)Write a program which will write 10 integer array to a data file called NUMBERFILE. The program will then close this file, and reopen it to display by reading the NUMBERFILE.

**2009:**

1)Write a C program to calculate the area and circumference of a circle.

2)Write a program to compute the sum of the digit of a given integer number.

3)Write a C program to compute the roots of a quadratic equation ax2+b+c=0.

4)Write a program to find the nth Fibonacci series.

5)Write a C program that uses function to sort an array of integers.

6)Write a program to find the factorial of an integer using recursive functions.

**2010:**

1)Write a C program to calculate area and perimeter of a triangle.

2)What is an array? Suppose an array A consists 14 elements as

A: 66, 33, 40, 22, 55, 88, 60, 11, 80, 20, 50, 44, 77, 30

3)Write a program to calculate and print a multiplication table of numbers a to 5.

4)Write a program to compute the roots of a quadratic equation ax2+bx+c=0. Use the following conditions:

i)There is only root, if a=0, x=- .

ii)There are no real root, if b2-4ac is negative.

iii)Otherwise there are two real roots.

5)Write a program that will convert the given temperature in Fahrenheit to Celsius using the following formula.

C=

6)Write a C program using file management where you are input a series of numbers which will generate a file called Even to store all even number and a file to called ODD to store all odd numbers.

**2011:**

1)Write a program in C to calculate the area and circumference of a circle.

2)Write a C program to find the sum of all integers greater than 50 and less than 300 that are divisible by 9.

3)Write a program in C whether a number is prime or not.

4)The number in a sequence 1 1 2 3 5 8 13 21 are called Fibonacci numbers. Write a C program using a for loop to calculate and print the first 20 Fibonacci numbers.

5)Write a program to a portion of a character string and print the extracted string. Assume that in character are extracted, starting with nth character.

6)Write a C program to test the given an input string is palindrome or not.

**2012:**

1)Write a program to find the area of a circle.(Use n as a symbolic constant)

2)Write a program to find nth Fibonacci series.

3) Write a C program to test whether a given string is palindrome or not.

4)Write a C program to create a file name INPUT, which will takes some character from the terminal and then it will read data from INPUT file and will display it in the output screen.

**2013:**

1)Write a C program to determine whether a number is odd or even and print the message is NUMBER IS EVEN or NUMBER IS ODD.

2)Write a C program that will calculate the factorial of a given integer.

3)Write a C program to interchange the value of two given integer.

4)Write a C program to compute the grade of a subjects according the following rules:

**Subject’s Number Mark Grade**

>=80 A

70 – 79 B

60 – 69 C

50 – 59 D

40 – 49 E

<40 F

**2014:**

1)Write a C program to determine and print the sum of the following harmonic series for a given value n.

1++….+

2)Write a C program to test whether a given year is leap year or not.

3)Write a C program to test whether a given string is palindrome or not.

4)Write a program to read an array of integers and print its elements in reverse order using pointers.

5)Write a program to read a matrix of size m×n and print its transpose.

**2015:**

1)Write a C program to display the real, imaginary, and equal roots of a quadratic equation ax2+bx+c=0.

2)Write a C program to convert the given temperature in Fahrenheit to temperature in Celsius where cel= and Fahrenheit is denoted by fah.

3)Write a program that prints the larges of three numbers using nested if – else statement.

4)Write a C program to calculate the sum and average of a set of number by using array.

5)Write a C program to evaluate the function sin(x) as defined by the infinite series of expansion.

6)Write a recursive function in C to compute the value of xn, where n is a positive integer and x has a real value.

7)Write a program to read data from the keyboard, write it to a file called ‘input’, again read the file from the ‘input’ file and display it on screen.

**2016:**

1)Write a C program to compute the area of a triangle given the value of a, b and c, where area A=s(s-a)(s-b)(s-c) and s=.

2)Write a C program to find the GCD(Greatest Common Divisor) of two integers a and b, where 1<a,b<108.

3) The number in a sequence 1 1 2 3 5 8 13 21 are called Fibonacci numbers. Write a C program using a for loop to calculate and print the first m Fibonacci numbers.

4)Write a C program to compute the grade of a subjects according the following rules:

**Subject’s Number Mark Grade**

>=80 A

70 – 79 B

60 – 69 C

50 – 59 D

40 – 49 E

<40 F

5)Write a C program to calculate factorial of any integer number using recursion.

6)Write a program to read data from the keyboard, write it to a file called INPUT, again read the file from the INPUT file and display it on screen.

**2017:**

1)Write a C program to calculate area and circumference of a circle.

2)Write a C program to convert Fahrenheit temperature to its Celsius equivalent.

3) Write a C program to compute the sum of all elements stored in an integer array using pointer.

4)Write a C program to record student information according their merit position.

5)Write a C program to write integers from 1 to 10 and store data into the file name “raju.dat”.

**2018:**

1)Write a C program that takes an integer as input and display it in reverse order.

2)Write a program to find the nth Fibonacci series using recursion.

3)Write a C program to append the contents of one file to another file.