# **Jan\_08\_2025**

1. Write a program to convert the temperature reading in Farenheit scale to Celsius & Kelvin scale. Write the flowchart of the program.
2. A student has secured marks in 5 subject (out of 100) write a program to compute the aggregate and if the marks is greater than or equal to 80% then print “Excellent” else print “Average”. Write the flowchart of the program.

# **Jan\_15\_2025**

1. Write a program to compute the GCD & LCM of two numbers. Write the Algorithm of the program.
2. Write a program to check a 4 digit number to be divisible by 9 or not without using modulus operator. Write the flowchart of the program.

# **Jan\_22\_2025**

1. Write a program to compute the factorial of a number. Write the flowchart of the program.
2. Write a program to print the Fibonacci series of length 10. Write the flowchart of the program.

# **Jan\_29\_2025**

1. Write a program to compute nCr where n= total number of element & r= number of element selected at random. Write the flowchart.
2. Write a program to compute the diagonal elements of a 4 X 4 matrix.
3. Write a program to compute the square root of a number A using the formula =+ using iteration where A= number whose square root is computed.

# **Feb\_05\_2025**

1. Write a program to extract integer character from a string. If no integer is present then print “No integer”.
2. Write a program to convert lower case string to upper case & vice versa.
3. Write a program to take user name & password from user and compare with pre-assigned values. If matched print “Login successful” else print “Invalid login”.

# **Feb\_12\_2025**

1. Write a program to find out Armstrong numbers between 1 to 1000.
2. Write a program to take book details(title,author,edition & acc.no) of 10 books & display the result. If search a book by its acc.no then the other details will be printed.

# **Feb\_19\_2025**

1. A circle has center coordinate (3,2) & radius is 5 unit. Take a point (h,k) on the coordinate system. Write a program to check whether the point is on the circle or inside or outside the circle.
2. Given an array of numbers {3,5,7,9,5,11,7,13,11} write the program to compute the number of repetitions of each number in the series.

# **Feb\_26\_2025**

1. Frame a class & store your name & roll no in two variables write a method to print your name & roll no.
2. Write a program to print a string from upper case to lower case & vice versa.
3. Write a program to extract integer characters from a string. If no integer found then print “no integer”.
4. username= “admin123” & password= “sysadmin@1234”. Compare the credentials with user inputs. If correct credentials are given by user then print “logged in” else print “try again”.

# **Mar\_05\_2025**

1. Take two variables x=25 & y= “Hello” in a class with private access specifier. Write a program to update the values of the variables.
2. You have two classes “parent” & “child”. “parent” class has a method “show” which prints “Hello world”. “child” class has a method “display” which prints “How are you?”. Write a program to inherit parent class properties to child class.
3. 5 employees have the details (employee name, id, account no. & salary). Take the user input of employees and print them.

# **Mar\_12\_2025**

1. Write a C++ program to check a leap year.
2. Write a C++ program to reverse a number.
3. Write a C++ program to find Harshad number between 1 to 1000(A number is called Harshad number if it is divisible by the sum of its digits).
4. Write a C++ program to convert a binary sequence to its corresponding decimal number.

# **Mar\_19\_2025**

1. Write a C and C++ program to reverse a string.
2. Configure a list and take 10 integers. Show the elements. Take 2 more integers at the back side and 1 integer at the front side pop two elements at the back side. Show the list again.
3. Configure a stack and take 10 integers. Show the elements. Again take 2 more integers and remove 3 integers show the stack again.