Important program of C programming for final exam

Function and control statment

- Palindrome number
- Armstrong number
- Fibonacci series
- Prime number
- Sum of N number
- Check whether a number is exactly divisible by 5 but not by 7
- Leap year
- Odd or even
- Quadratic equation
- Sum of digit of integer
- Factorial using recursive
- Fibonacci using recursive
- Swap two variable using pass by value and pass by reference
- Pattern related question from question bank and book
- HCF and LCM
- Degree to Fahrenheit
- Binary to decimal
- Practice series related question from question bank and book
- Alphabet is vowel or not
- For other type of question please prefer question bank and book

Array, string and pointer

1D (using function and pointer)

- Ascending and descending order
- Smallest and Largest
- Maximum and minimum
- 2nd largest and 2nd smallest
- Palindrome
- Reverse array and string
- Lower case to upper and vice versa
- Length of string
- Count vowel
- Longest word on given sentence
- Alphabetical order

Er. Sandesh Sharan Poudel

- Concatenation of two string
- Copy string
- Compare two strings
- For other type of question please prefer question bank and book

2D(using function and pointer)

- Matrix multiply
- Matrix addition and subtraction
- Diagonal minimum and maximum number
- Transpose
- How do you initialize a 2d array with example?
- Smallest and largest element
- the diagonal element of a square matrix
- For other type of question please prefer question bank and book

Structure

- Employee related question on the order of their salary
- Student related question
- Complex number question using function
- Structure and pointer
- Nested structure
- Feet and inch related question
- Structure and array related question
- Structure and function
- For other type of question please prefer question bank and book

Pointer

- Largest number
- Given string is palindrome or not using pointer
- Swap two numbers using pointer
- Reverse the array of element pointer.
- Reverse a string using pointer
- Convert upper case letter into lower and vice versa using passing pointer to a function.
- Largest and smallest element of and array using DMA
- For other type of question please prefer question bank and book

Er. Sandesh Sharan Poudel

Data file

- Copy from source to destination
- Read from file
- Write to file
- Write and then read from file to display
- Program in append mode
- Sorting in the order of their employee salary
- Structure related question
- Also practice lab related question
- Odd and even question
- For other type of question please prefer question bank and book

FORTRAN

- Explain FORTRAN structure
- What are the data types of FORTRAN?
- What are the characteristics of FORTRAN programming?
- Compare logical If and Arithmetic If statement in FORTRAN with example.
- Compare Unconditional and Computed goto in FORTRAN with example.
- Compare Do and implied Do statement in FORTRAN with example.
- Practice program from note (example 1.50 to 1.60)
- Fibonacci series
- Palindrome
- Prime number
- Quadratic equation
- Binary to decimal number

Er. Sandesh Sharan Poudel