

M. K. INSTITUTE OF COMPUTER STUDIES, BHARUCH.
SYBCA SEM III Division A
306 : Data structure

Roll No :

date: 05- Aug -21

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Sr no	Program Definition	Page no	Date	Sign
A	<p><u>General programs</u></p> <ol style="list-style-type: none">1) Write a program to find factorial of given number with recursion using udf2) Write a program to print Fibonacci series using recursion3) WRITE A PROGRAM TO calculate MEAN, STD DEVIATION and VARIANCE USING FUNCTION (udf).4) WRITE a Program to check whether the inputted number is palindrome or NOT5) WRITE a Program to sort the integer array using FUNCTION (udf).6) WRITE a Program to search number from the integer array using udf.7) WRITE a Program TO sort the number USING Files.8) WRITE a Program to copy the contain of one file to another file.9) WRITE a Program to count the no of character, words and line from the file nd store it in another file.10) WRITE A PROGRAM TO FIND ODD AND EVEN NUMBER FROM THE USER INPUTTED NUMBER AND STORE THEM TO TWO separate FILE.			

B	<p><u>Pointer</u></p> <ol style="list-style-type: none"> 1. WRITE a Program to find addition of two matrices using pointers. 2. WRITE a Program to find sum of 10 elements using pointers. 3. WRITE a Program to sort arrays of string using POINTERS 			
C	<p><u>Array</u></p> <ol style="list-style-type: none"> 1) Write a program that declares the pointers to integer and create an integer array. 2) Write a program to print multiplication of two numbers using recursion. 3) Write a program to insert and delete elements from an array. 4) Write a program to add two MATRIX. 5) 9. Write a program to multiplication of 2 MATRIX. 6) 10. WRITE a program to transpose OF MATRIX 			
D	<p><u>Stack</u></p> <ol style="list-style-type: none"> 1) Write a menu driven program to perform stack operations. 2) Write a program to convert infix expression to postfix expression and convert infix expression to prefix expression. 3) Write a program to evaluate a postfix expression. 			
E	<p><u>Queue</u></p> <ol style="list-style-type: none"> 1) Write a menu driven program for insertion, deletion & display elements in simple queue. 2) Write a menu driven program for circular queue 			

	<p>using pointer.</p> <p>3) Write a menu driven program for insertion & deletion in input restricted queue using array and pointers.</p> <p>4) Write a menu driven program for insertion & deletion in output restricted queue using array and pointers.</p>			
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