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Sr. No	Objective	Page No.	Signature
1	A character is entered, WAP to determine whether the character is entered capital, small, digit or special character.		
2	WAP to find the largest of 3 nos. using conditional operators.		
3	WAP to check whether a entered year is leap year or not.		
4	WAP to calculate the Armstrong nos. b/w 1 and 500		
5	WAP to determine if a no. is prime or not.		
6	WAP to find diameter, circumference and area of a circle using functions		
7	WAP to find max and min element of array		
8	A five digit no. is taken input from user, write a program to reverse that number and find sum of the digit of its digit too.		
9	WAP to print the following pattern. <pre> ** " 1 "55555 "A ** 12 4444 AB ** 123 333 ABC **** 1234 22 ABCD ***** 12345" 1" ABCDE" </pre>		
10	PROG. TO PRINT SUM OF THE SERIES- $1-1/2+1/3-1/4+\dots+n$ terms.		
11	PROG. TO FIND THE SUM OF SERIES- $X-X^3/3!+X^5/5!-X^7/7!+X^9/9!+\dots+n$ terms		
12	WAP to do Linear Search, Binary search, Bubble Sort, Selection Sort using menu driven program by using functions		
13	WAP to print table of any no. entered by the user.		

14	Wap to check whether the input character is a vowel or not using switch case.		
15	WAP to insert and delete an element to and from array at specified position		
16	WAP to print first 20 nos. of Fibonacci series.		
17	WAP to find the sum and product of 2 matrix using function(user defined)		
18	WAP to find the LCM and GCF of 2 entered numbers.		
19	WAP to swap 2 names using array of pointers.		
20	WAP to check if a given word is a palindrome or not.		
21	WAP to find a no of words in a string.		
22	WAP to reverse a string, concatenate two strings, length of a string, copy one string to other using a user defined function and menu driven program.		
23	In a company an employee is paid as under: If his basic salary is less than Rs. 1500, then HRA = 10% of basic salary and DA = 90% of basic salary. If his salary is either equal to or above Rs. 1500, then HRA = Rs. 500 and DA = 98% of basic salary.		
24	WAP to find the sum of the elements of array using pointers		
25	. WAP to check whether a given number is perfect number or not		
26	WAP to calculate factorial of a number using recursion		
27	Write a program in C to swap elements using call by reference		
28	Write a program in C to store n elements in an array and print the elements using pointer.		
29	Write a program in C to find the largest element in an array using Dynamic Memory Allocation(malloc() and free() functions).		
30	Write a program in C to print a string in reverse using a pointer.		

31	Write a program in C to count the number of vowels and consonants in a string using a pointer.		
32	WAP to read and print employee details like Employee ID, EName, salary using structures		
33	Create a structure item (char item_name[10],int qty,float price,float total_amt) . Enter details regarding items. Create a pointer variable *pitem of a structure item and access the elements or members of a structure using pointer variable by using -> operator.		
34	Create a structure student (charname[10],int marks[3],int total and float percentage). Enter the marks of 5 students in 3 subjects and calculate the percentage .(Hint:Use the concept of array of structure).		
35	Create a structure Distance (int feet and float inch). Take two distances as input from user and add them (inch and feet separately). Display total distance in feets and inches.		
36	Create a union union Data { int i;float f;char str[20]}.WAP to show how to access and print members of union and also print the maximum memory occupied by union members.		
37	WAP to add two numbers with the help of command line arguments		
38	Write a program in C to create and store information in a text file(using fprintf and fscanf functions)		
39	Write a program in C to create and store information in a binary file(using fread and fwrite functions)		
40	Write a program in C to create and store information in a data file(using getc and putc functions)		
41	Write a program in C to create and store information in a data file(using fgets and fputs functions)		
42	Write a program in C to create and store information in a data file(using getw and putw functions)		
43	WAP in C to show the functionality of fseek function.		
44	Write a program in C to count a number of words and characters in a file.		

45	Write a program in C to merge two files and write it in a new file.		
46	WAP in C to show the functionality of ftell () and rewind() functions of file handling.		
47	WAP in C that takes the file name as an input from user, create a file “data” to store integer numbers from 1 to 10. Create two more files “even” and “odd” , read the contents of “data” and check whether the number is even and odd and copied the same in to “even” and “odd” file.		
48	WAP in C to show the use of calloc() and Realloc() functions.		
49	WAP TO SHOW THE USE OF FOLLOWING DIRECTIVES #IF, #ELSE AND #ENDIF IN C		
50	WAP TO SHOW THE USE OF STRINGIZE (#) AND TOKEN PASTING (##) OPERATOR IN C.		
51	Write a program to convert temperature from Celsius to Fahrenheit by taking input from the user.		
52	Write a program to find the greatest number among 3 numbers given by the user.		
53	Write a program to check if a given number is a prime number or not.		
54	Write a program to display the following pattern upto N rows, taking the value of N from the user: 1 2 3 4 5 6 7 8 9 10		
55	Write a program to input marks of 50 students using an array and display the average marks of the class.		
56	Write a program to search for a number entered by the user in a given array and display the array in ascending order.		
57	Write a program to check if a string is palindrome or not.		

58	Write a program to add, subtract, multiply and divide two numbers using pointers.		
59	Write a program to create a structure for employees containing the following data members: Employee ID, Employee Name, Age, Address, Department and Salary. Input data for 10 employees and display the details of the employee from the employee ID given by the user.		
60	Write a program to create two files with names EvenFile and OddFile. Input 20 numbers from the user and save even numbers in EvenFile and odd numbers in OddFile.		
61	Write a menu driven program to construct a calculator for following arithmetic operations: addition, subtraction, multiplication, division, average and percentage.		
62	Write a menu driven program to perform the following operations: (i) Print Armstrong numbers upto N, (ii) Display prime numbers between 1 to N, (iii) Reverse of an integer		
63	WAP to convert a hexadecimal number into a binary number. CO1		
64	WAP to calculate factorial of a number and display Fibonacci series upto N terms using recursive functions.		
65	Write a program to (i) perform matrix addition, (ii) matrix multiplication, and (iii) Matrix transpose) on 2D arrays.		
66	WAP to make use of arrays with structures in the following ways: (i) Use array as a structure data member (ii) Create array of structure variables		
67	WAP to compare the contents of two files by taking names of the files through command line arguments.		
68	WAP to perform I/O and make use of file positioning functions on Binary files. (using fseek, ftell, rewind functions)		

69	<p>Write a menu driven program to implement the following string operations:</p> <ul style="list-style-type: none"> (i) Calculate length of a string (ii) Concatenate at the end of a given (iii) Copy one string to another (iv) Compare contents of two strings (v) Copy nth character string to another 		
70	<p>Write a program to read time in string format and extract hours, minutes and second also check time validity</p>		