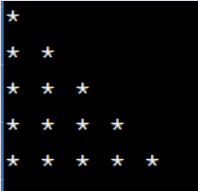
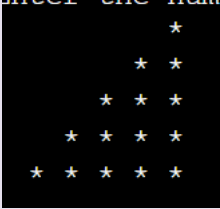
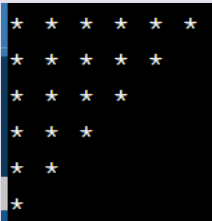



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<u>S.No.</u>	<u>Objective</u>	<u>Page No.</u>	<u>Date</u>	<u>Remark</u>
1	WAP using switch-case to find the number of days in a particular month of a given year. The leap year check should also be considered.	1-2	15-11-2022	
2	WAP using switch-case to check whether a given year is a leap year or not. Case-1 will include multiple if statements, case-2 will use a single if statement having logical operators and case-3 will use ternary operator(?:).	3-4	18-11-2022	
3	WAP to determine whether a given character is a Capital letter, a small case letter or a digit using its ASCII value range.	5-6	22-11-2022	
4	<p>Admission to a professional course is subject to the following conditions.</p> <p>a) Marks in Math's ≥ 60 b) Marks in Physics ≥ 50 c) Marks in Chemistry ≥ 40 d) Total marks in all three subject ≥ 200</p> <p style="text-align: center;">OR</p> <p>Total marks in Math's and Physics ≥ 150 Given the marks in three subjects, WAP to process the application to list the eligible candidates</p>	7-8	26-11-2022	
5	<p>WAP to print the following triangles. The number of rows entered from the user</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	9-14	29-11-2022	

```

1
2 3
4 5 6
7 8 9 10

      0
    1 0 1
  2 1 0 1 2
3 2 1 0 1 2 3
4 3 2 1 0 1 2 3 4

```

```

1
1 0
1 0 1
1 0 1 0
1 0 1 0 1

```

```

      1
    1 1
  1 2 1
1 3 3 1
1 4 6 4 1

```

6	WAP to compute and print a multiplication table upto 10 for numbers in a given range as in figure	14-15	1-12-2022	
7	WAP using switch-case to perform the following tasks: 1) To find whether a given number is an element of the Fibonacci series; 2) To print the Fibonacci series up to that given number.	16-18	05-12-2022	
8	Write a function checkPrime() to check whether a given number is a Prime number or not and then WAP using this function to print all the Prime numbers in a given range	19-20	09-12-2022	
9	Write a function checkArmstrong() to check whether a given number is an Armstrong number or not and then WAP using this function to print all the Armstrong numbers in a given range	21-22	14-12-2022	
10	WAP to find the prime factors of a given number	23-24	17-12-2022	
11	WAP to reduce the sum of the digits of a given number to a single digit.	25	20-12-2022	
12	Write programs for the following using iteration and recursion through switch-case. a) Sum of first n natural numbers	26-30	23-12-2022	

	b) Factorial of a given number. c) Power of a given number (For e.g. $2^3 = 8$, $2^{-3} = 0.125$, $2^0 = 1$). d) Fibonacci series.			
13	WAP to implement Linear Search in an array.	31-32	27-12-2022	
14	WAP to print the Largest and the Smallest element in an array.	33-34	30-12-2022	
15	WAP to print the sum of the Diagonal elements of a given square matrix.	35-36	02-01-2023	
16	WAP to find the transpose of a given matrix	37	05-01-2023	
17	WAP to find the addition and subtraction of two matrices.	38-39	07-01-2023	
18	WAP to find the multiplication of two matrices of different orders.	40-41	11-01-2023	
19	WAP to implement possible arithmetic operations in pointers using an array.	42	18-01-2023	
20	WAP to print the implement the following string manipulation functions: strlen(), strcat(), strcpy(), strcmp() and strrev().	43	21-01-2023	
21	WAP to implement malloc(), calloc(), realloc() and free() functions.	44-45	24-01-2023	
22	WAP to implement the use of .(dot) and ->(arrow) operators in a structure.	46	27-01-2023	
23	Write a menu driven program in C to create a structure employee having fields empid, empname, empsalary. Accept the details of 'n' Employees from user and perform the following operations using functions.	47-50	31-01-2023	

24	WAP to implement the working of different modes of file opening (r, w, a, r+, w+, a+).	51-54	03-02-2023	
25	WAP to display the contents of a file on the console window using command line arguments in C i.e. to emulate the type command of DOS.	55-56	07-02-2023	
26	WAP to copy the contents of file to another using command line arguments in C i.e. to emulate the copy command of DOS.	57-58	09-02-2023	
27	WAP to program to draw a circle inside a square using graphics functions in C.	59-60	11-02-2023	
28	WAP to program to implement the following graphics functions: line(), circle(), rectangle(), drawellipse(), fillellipse(), setbgcolor(), setcolor(), outtextxy(), drawpoly(), fillpoly().	61-62	14-02-2023	