

|  | 8. Write a program to enter two numbers and find the smallest out of them. Use conditional operator. |
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|  | 9. Write a program to enter a number and carry out modular division operation by 2, 3 and 4 and display the remainders. |
|  | 10. Write a program to find the average temperature of five sunny days. Assume the temperature in Celsius. |
|  | 1. Write a program to accept number of seconds and display its corresponding hours, minutes and seconds. |
|  | 2. Write a C program to find the maximum from given three numbers (Using Nested IF). |
|  | 3. Write a C program to find that the accepted no is Negative, Positive or Zero. |
|  | 4. Write a program to check given year is a Leap year or not. |
|  | 5. Write a C program to find minimum from given 3 numbers (Using Conditional Operator). |
|  | 6. Write a C program to find the maximum from given three numbers (Without using Nested if, or Logical Operator, Or Conditional operators). |
|  | 7. Take marks from the user and print grade accordingly( >=75 marks - Distinction, <75 and $>=60$ marks - First, $<60$ and $>=50-$ Second, $<50$ and $>=35$ - Pass, $<35-$ Fail) using if ... else if....else statement and also by using logical operators). |
| 2 | 8. Take 2 numbers from the user and print the greater number (Number can be equal). |
|  | 9. Write a program to check whether the blood donor is eligible or not for donating blood. The conditions laid down are as under. Use if statement. <br> a) Age should be above 18 yrs but not more than 55 yrs. |
|  | 10. Write a program to calculate bill of a job work done as follows. Use if else statement. <br> a) Rate of typing 3 Rs/page <br> b) Printing of 1st copy 5Rs/pages \& later every copy 3Rs/page. <br> The user should enter the number of pages and print out copies he/she wants. |


|  | 11. The ABC Insurance Company Ltd. Offers the following three categories of car insurance policy to car owners: <br> - Category $A$, here the basic premium is calculated as $2 \%$ of the car's value. <br> - Category $B$, here the basic premium is calculated as $3 \%$ of the car's value. <br> - Category C , here the basic premium is calculated as $5 \%$ of the car's value. |
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|  | 12. Write a program to implement calculator using switch case. |
| 3 | 1 Write a program to find sum of N numbers. <br> 2 Write a program to find factorial of given number. <br> 3 Write a program to find maximum from given N inputs by user. <br> 4 Write a program to find reverse of a given number. <br> 5 Write a program to find sum of the digits entered by the user. <br> 6 Write a program to generate Fibonacci series up to N numbers. <br> 7 Write a program to find GCD and LCM of given 2 numbers. <br> 8 Write a program to find the sum of first 100 odd nos. and even nos. <br> 9 Write a program to check whether given number by the user is Palindrome or not. <br> 10 Write a program to check whether the given number is Prime or not. <br> 11 Write a program to print all the prime numbers ranging from 50 to 100. <br> 12 Write a C program to find $x 1+x 2+x 3+x 4+\ldots .+x n$. <br> 13 Write a C program to find $1+1 / 2+1 / 3+1 / 4+\ldots+1 / n$. <br> 14 Write a program to print following pyramid. <br> ** <br> *** <br> * * * * |



2 Write a program which will take 10 numbers from user and stored it in the array. It will print all the numbers, their sum and average of it.

3 Write a program to find binary of given number.
4 Write a program to sort and array.
5 Write a program to search an element from the array.
6 Write a program to find addition of two matrices of $3 * 3$.
7 Write a program to find multiplication of two matrices of $3 * 3$.
8 Take two strings from the user and check whether the string is palindrome or not.

9 Write a program to find sum, average of two numbers passed to user defined functions called sum(int,int) and average(int,int).

10 Write a program to print factorial of a given number by recursive user defined function fact(int).

11 Write a program to print Fibonacci series using recursive UDF.
12 Write a program to find length of the given string (without including string.h).

13 Write a program to find length of the given string (without including string.h).

14 Write a program to convert lowercase string to uppercase string (without including string.h).

15 Write a program which will accept two strings from the user and print the message that the strings are same or not.

16 Write a program which take a lowercase string from the user and print its length and uppercase string.

17 Write a program that uses function $\operatorname{digit}(\mathrm{N}, \mathrm{k})$ that return the value of the kth digit from the right of the number N . For eg. The function call digit $(254693,2)$ should return 9.

|  | 18 Program to find if the given no. is prime or not. The function <br> should accept the number as argument and return if the no. is prime <br> or not. |
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| TEXT BOOK/S: |  |
| Introduction to C Programming <br> Publication :Oxford <br> by Reema Thareja |  |
| REFERENCE BOOKS: |  |
| 1. Computer Fundamentals \& Programming in C <br> Publication: Oxford <br> By Pradip Dey, Manas Ghosh <br> 2. Programming in ANSI C (Fifth Edition 2011) <br> Publication: Mc Graw Hill <br> By Balaguruswami |  |

