Lab Assignments:-Programming in C

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| Sr.No | Title | Date | Remarks |
| 1 | WAP to demonstrate int,float,char datatype(Accept and display) |  |  |
| 2 | WAP to print addition of 2 numbers |  |  |
| 3 | WAP to calculate average of 3 numbers |  |  |
| 4 | WAP to calculate simple interest |  |  |
| 5 | WAP to swap two integer values using third variable |  |  |
| 6. | WAP to swap two integer values without using third variable |  |  |
| 7. | WAP to accept a character and print it with its ascii value |  |  |
| 8. | WAP to accept an uppercase character and print its lowercase |  |  |
| 9 | WAP to find greater of 2 numbers(if—else introduction) |  |  |
| 10 | WAP to find whether a number is positive or not.If it is positive ,check whether it is even or odd(nested if -else) |  |  |
| 11 | WAP to find whether number1 is greater than/less than or equal to number2 |  |  |
| 12 | WAP to find minimum using conditional operator |  |  |
| 13 | WAP to find whether a given year is leap year or not  Formula:-year is divisible by 4 and not divisible by 100 or year is divisible by 400 |  |  |
| 14 | WAP to check whether an entered character is a vowel or not |  |  |
| 15 | WAP to check eligibility for issuing license |  |  |
| 16 | WAP to display numbers in the range of 1-10 |  |  |
| 17 | WAP to display even numbers in the range of 1-10 |  |  |
| 18 | WAP to display odd numbers in the range of 1-10 |  |  |
| 19 | WAP to display sum of the numbers in the range of 1-10 |  |  |
| 20 | WAP to display star pattern  \*  \* \*  \* \* \* |  |  |
| 21 | WAP to display star pattern  \* \* \*  \* \*  \* |  |  |
| 22 | WAP to display the following pattern  1  2 3  4 5 6 |  |  |
| 23 | Write a menu driven program to demonstrate all arithmetic operations. |  |  |
| 24 | WAP to accept 1-D integer array and display it |  |  |
| 25 | WAP to accept 1-D integer array and display it in reverse order |  |  |
| 26 | WAP to accept 1-D integer array display its even elements |  |  |
| 27 | WAP to accept 1-D integer array and display sum of all array elements |  |  |
| 28 | WAP to find sum of digits of a no. |  |  |
| 28 | WAP to display reverse of a number |  |  |
| 29 | WAP to check whether the entered number is palindrome or not |  |  |
| 30 | WAP to check whether the entered number is Armstrong or not |  |  |
| 31 | WAP to check whether the entered number is prime or not |  |  |
| 32 | WAP to accept a 2-D array and display it |  |  |
| 32 | WAP to display sum of the diagonal elements of the matrix |  |  |
| 33 | WAP to display transpose of the matrix |  |  |
| 34 | WAP to display upper triangular matrix |  |  |
| 35 | WAP to display matrix addition |  |  |
| 36 | WAP to display marksheet of 10 students |  |  |
| 37 | WAP to implement dynamic arrays |  |  |
| 38 | WAP(menu driven) to create user defined functions  1.Factorial  2.Prime  3.Sum of digits of a number  4.Palindrome  5.Reverse  6.Armstrong  7.Perfect no |  |  |
| 39 | WAP to display array elements at even index |  |  |
| 40 | WAP to display array elements at odd index |  |  |
| 41 | WAP to implement linear search |  |  |
| 41 | WAP to search an element and display the count of no of occurrences of the element if found |  |  |
| 42 | WAP to find largest/smallest element in an array |  |  |
| 43 | WAP to find sum and avg of array elements |  |  |