C Language Programing List

Unit I & II

1) WAP to print Hello!
2) WAP to find additions of two numbers.
3) WAP to perform basic arithmetic operations.
4) WAP to calculate simple interest.
5) WAP to calculate compound interest.
6) WAP to convert farhenite temperature into Celsius temperature.
7) WAP to find out the greatest number among two numbers.
8) WAP to find the value of X^y where X and Y are enter through the keyboard.
9) WAP to find the square root of a number which is enter through the keyboard..
10) WAP to find area of circle.
11) WAP to find the area of a triangle whose sides are input through the keyboard.
12) WAP to find the reverse of a given number.
13) WAP to check whether the input number is even or odd.
14) WAP to check whether the given year is leap year or not.
15) WAP to print the table of a given number.
16) WAP to add all integers up to the given input.
17) WAP to swap the value of two numbers which are input through the keyboard.
18) Ramesh basic salary is input through the keyboard his dearness allowance is 40% of basic salary and house rent allowance is 20% of basic salary .WAP to calculate his gross salary
19) If the marks obtained by a student in five different subjects are input through the keyboard. Find out the aggregate marks and percentage of marks obtained by the student .assume that the maximum marks obtained by the student in each subject is 100
20) WAP to read any character from the keyboard and to display its ASCII number
21) The length and breadth of a rectangle and radius of a circle is input through the keyboard .WAP to calculate the area and parameter of the rectangle and area and circumference of the circle
22) If the basic salary is less than 1500 then HRA is 10% of basic salary and the DA is 90% of the basic salary .if his either equal to or above 1500 then HRA is 500 and DA is 98% of the basic salary .if the employee's salary is input through the keyboard .WAP to find his gross salary
23) The marks obtained by a student in 5 subject are input through the keyboard the student gets division as per the following rules

    1. Percentage above or equal to 60-1stdivision

    2. Percentage between 50 and 59-2nddivision

3. Percentage between 49and 49-3rd division

4. Percentage below 40-fail

24) A company insures a driver in the following cases
    1. If the driver is married
    2. If the driver is unmarried ,male and above 30 years of age
    3. If driver is unmarried ,female and above 25 years of age

    In all the other cases driver is not insured .if the marital status ,sex and age of driver are entered from keyboard .WAP to determine whether the driver is to be insured or not

25) WAP to calculate the addition ,subtraction ,multiplication ,division of two numbers using switch statement.
26) Write a program to find out the week days using switch statement
27) Three integer numbers are input through the keyboard .WAP to find out the greatest number
28) WAP to evaluate the factorial value of a integer number using while loop
29) WAP to evaluate the factorial value of a integer number using do while loop
30) WAP to evaluate the factorial value of a integer number using for loop
31) WAP to calculate the sum of first n integer number using while loop
32) WAP to print the following format

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33) WAP to search a number between 1 to 50.
34) WAP to evaluate the sum of a series 1+1/2!+1/3!+1/4!+…….+n^{th} term.
35) WAP to calculate the Fibonacci series 0 1 1 2 3 5 8 13 ……..n^{th} term.
36) WAP to print

    *****

    *****

    *****

37) WAP to find sum and average of ten numbers using while loop.
38) WAP to find sum and average of ten numbers using do- while loop.
39) WAP to find out the sum of digits of a number.
40) WAP to check a number is Armstrong or not.

41) WAP to check a number is palindrome or not.
42) WAP to check a number is Robinson or not.
43) WAP using continue statement.
44) WAP using goto statement.
45) WAP to generate the following series

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

46) WAP to generate the following pattern

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

47) WAP for

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65) WAP to read three real numbers a,b,c and evaluate T1, T2 and T1-T2, where T1 and T2 are given by

T1=a(b+c)+b(c+a)+c(a+b)

T2= $a^2(b^2+c^2)+b^2(c^2+a^2)+c^2(a^2+b^2)$

66) WAP which will show the use of putchar( ) and getchar( ) function.

67) WAP to check entered number is Prime or not.

68) WAP to find the greater number between two numbers using ternary operation.

69) WAP in C to swap two numbers without using third variable.

70) WAP in C to determine and print the sum of the following Harmonic series for a given value of n:

1 + ½ + 1/3 + ¼ + ---------+1/n

71) WAP in C to print the following format

1

2 2

3 3 3

4 4 4

72) WAP in C to print the following format

1

2 3

4 5 6

7 8 9 10

73) WAP for addition of two matrix of 3*3

74) WAP for Multiplication of two matrix of 3*3

75) WAP for transpose matrix of 3*3

76) WAP to print diagonal matrix of 3*3

77) WAP which will show the use of different storage classes.

78) WAP which will show the use of all string manipulation function.

UNIT- 3

79) WAP in which two integers are input through the keyboard and find out the sum of these two using function.

80) WAP in which two floating point values are input through the keyboard and find the largest number among two using function.

81) WAP with user defined function CUBE that calculate the cube of the integer from 1 to 10.

82) WAP in C which show the concept of global and local variables.

83) WAP which accept three sides of a triangle and transfer them to a function to compute the area of the triangle

Area of a triangle=sqrt(s*(s-a)*(s-b)*(s-c))

S=(a+b+c)/2

84) WAP where two integer values are input through the keyboard and find out the interchanged values using function.

85) WAP to find the greatest number among three numbers using function.

86) WAP to illustrate the function with no arguments and no return value.

87) WAP in C to swap two numbers using call by value.

88) WAP which shows the use of exit ()function.