Unit 2: C language programs for conditional statements and loops.

1. Check Entered number is greater than five or not.
2. Check entered number is zero or not.
3. Check entered number is odd or even.
4. Check entered year is leap year or not.
5. Check entered number is between 0 to 100 or not.
6. Check entered character is vowel or not.
7. Check entered number is positive or negative.
8. Find maximum out of two numbers.
9. Find minimum out of two numbers.
10. Enter purchase price and sale price and check amount of profit / loss.
11. Create result and check student is pass or not and also print grade.
12. Check entered both number are same or not.
13. Check number is divided by 3 or not.
14. Find maximum out of three values (nested if)
15. Find maximum out of three values (leader if)
16. W.A.P. to Generate light bill.
17. W.A.P. to find income tax.
18. W.A.P to check both values are same or not.
19. Create switch case to print 1, 2, 3 as per user entered the number.
20. Create switch case to print number in text according to entered number.
21. Create switch case to print month name as per month number entered.
22. Perform arithmetic operation as per user select the options.
23. Print appropriate season name as user enter the month number.
24. Print 1 to 10 with while loop.
25. Print all odd numbers between 0 to 100 with while loop.
26. Print all even number between 0 to 100 with while loop.
27. Print sum of 1 to 10 with while loop.
28. Get 10 values from keyboard and Make sum with while loop.
29. Get 10 values from keyboard and find maximum with while loop.
30. Print following pattern with while loop
    a. 1 10 2 9 3 8 4 7 5 6 6 5 7 4 8 3 9 2 10 1
31. Print table of given number with while loop.
32. Print uppercase alphabets with while loop.
33. Print lowercase alphabets with while loop.
34. Print numbers as per user give the range.
35. Print 1 to 10 with do while loop.
36. Prove how to do while loop run once.
37. Print 10 to 0 with do while loop.
38. Print following pattern with do while loop.
    a. 1 3 5 7 9 11 13 15 17 ……

39. Print 1 to 100 with for loop
40. Print all the even numbers between 0 to 100 with for loop.
41. Print lowercase alphabets with for loop.
42. Print table of given number with for loop.

43. Print following pattern with for loop.

***** ***** ***** ***** *****	***** ***** ***** ***** *****	* ** *** **** *****
* ** *** **** *****	1 12 123 1234 12345	1 22 333 4444 55555
1 10 101 1010 10101	A AB ABC ABCD ABCDE	A BB CCC DDDD EEEEE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	A B C D E F G H I J K L M N O	A BAB CBABC DCBABCD EDCBABCDE
1 123 12345 1234567 1234566789	1 212 32123 4321234 543212345	1 121 12321 1234321 123454321

44. Find entered number is palindrome or not.
45. Find entered number is Armstrong or not.
46. Find entered number is factorial or not.
47. Find entered number is prime or not.
48. Print Fibonacci series.
49. Demonstrate break statement with loop.
50. Demonstrate continue keyword with loop.
51. Print all odd numbers between 0 to 100 with continue keyword.
52. Count all how many digits is entered number.
53. Print entered number in reverse order.
54. Find compound interest with for loop.
55. Demonstrate infinite loop.
56. For loop without increment or decrement.

57. For loop with multiple increment or decrement
58. Run loop until user enter 0.
59. Make sum of entered values until user enter 0.
60. Find maximum out of n values entered from user.