

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
(DEEMED TO BE UNIVERSITY)
Faculty of Engineering and Technology (FET)
Department of Computer Science and Engineering
Tutorial/Assignment Sheet

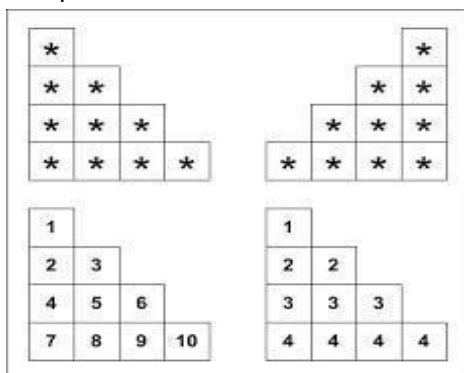
Subject Name: PPS
Subject Code: PPS_BCS_101A
Max. Marks: 70M

Assignment No.: 2
Class / Semester: II
Time Allowed: 10 days

1. Write a C program to check whether a number is divisible by 5 and 11 or not.
2. Write a C program to check whether a year is leap year or not.
3. Write a C program to check whether a character is alphabet or not.
4. Write a C program to input any alphabet and check whether it is vowel or consonant.
5. Write a C program to input any character and check whether it is alphabet, digit or special character.
6. Write a C program to check whether a character is uppercase or lowercase alphabet.
7. Write a C program to input week number and print week day.
8. Write a C program to input month number and print number of days in that month.
9. Write a C program to count total number of notes in given amount.
10. Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.
11. Write a C program to calculate profit or loss.
12. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage	>=	90%	:	Grade	A
Percentage	>=	80%	:	Grade	B
Percentage	>=	70%	:	Grade	C
Percentage	>=	60%	:	Grade	D
Percentage	>=	40%	:	Grade	E
Percentage < 40% : Grade F					
13. Write a C program to print day of week name using switch case.
14. Write a C program print total number of days in a month using switch case.
15. Write a C program to check whether a number is positive, negative or zero using switch case.
16. Write a C program to create Simple Calculator using switch case.
17. Write a C program to print all natural numbers from 1 to n. - using while loop
18. Write a C program to print all natural numbers in reverse (from n to 1). - using while loop
19. Write a C program to print all even numbers between 1 to 100. - using while loop

20. Write a C program to print all odd number between 1 to 100. Using Do while loop
21. Write a C program to find sum of all natural numbers between 1 to n. using for loop
22. Write a C program to count number of digits in a number using do while loop.
23. Write a C program to find first and last digit of a number using Do while loop.
24. Write a C program to find sum of first and last digit of a number using do while loop.
25. Write a C program to calculate sum of digits of a number using while loop.
26. Write a C program to enter a number and print its reverse using for loop.
27. Write a C program to check whether a number is palindrome or not using while loop.
28. Write a C program to find power of a number using for loop using while loop.
29. Write a C program to check whether a number is Armstrong number or not using for loop.
30. Write a C program to print all Armstrong numbers between 1 to n using while loop.
31. Write a C program to print Fibonacci series up to n terms.
32. Star pattern programs and Number pattern programs - Write a C program to print the given star patterns.



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