Computer Lab - Practical Question Bank
FACULTY OF COMMERCE, TELANGANA UNIVERSITY.

B.Com (Computers & Computer Applications) II year III semester

PROGRAMMING WITH C

1. Write a C Program to accept asset value, life time of the asset, scarp value, compute and display depreciation.
2. Write a C program to calculate simple interest.
3. Write a C program to accept amount of current assets, current liabilities compute and display current ratio.
4. Write a program to accept amount of direct expenses, purchases, sales compute and display gross profit/loss.
5. Write a C program to find the Square root of a given number.
6. Write a C program to find the area and circumference of a circle.
7. Write a C program to find the area & perimeter of a rectangle.
8. Write a C program to demonstrate swapping of two numbers.
9. Write a C program to determine if the year is a leap year.
10. Write a C program to find maximum of 2 numbers.
11. Write a C program to find the largest of 3 numbers.
12. Write a C Program to accept product name, quantity, price compute and display amount.
13. Write a program to accept a number and determine whether the number is Positive and single digit or not.
14. Write a C Program to accept product name, quantity, price compute bill amount and discount based on following criteria.
    Bill amount <1000 rate of discount 5%.
    Bill amount >=1000 rate of discount is 10%.
    Display output in following format;

    *****Welcome to ABC Hyper Market********

Item Name	**Qty**	**Rate**	**Amount**
Basmati Rice	8	100	800

    Discount Amt: Rs.40/-
    Total Bill Amount After discount Rs. 760/-

    **********Thank 'U' Visit Again**********

15. Write a program to accept Employee Name, Designation, Basic Salary compute and display Payslip in the following format.

Payslip

Name :	XXX
Designation :	XXX
Basic :	XXX
HRA :	XXX
DA:	XXX
CA:	XXX
Gross Salary:	XXX
PF	XXX
ESI:	XXX
Net Salary:	XXX

Where HRA is 20% on Basic Salary, DA is 50% on Basic Salary, CA is 10% on Basic Salary, PF is 12% on Basic Salary and ESI is 5% on Basic Salary.

16. Write Program to demonstrate switch.

17. Write a program to print 1 to n numbers by using while loop.

18. Write a program to print 1 to n even numbers by using do while loop.

19. Write a program to print 1 to n odd numbers by using for loop.

20. Write a program to print reverse of number.

21. Write a C program to determine given number is Armstrong number or not.

22. Write a C program to determine given number is Perfect number or not.

23. Write a C Program to determine given number is palindrome number or not

24. Write a C Program to demonstrate Fibonacci series.

25. Write a C program to accept a number, compute the total and average of the1 to given number.

26. Write a C program to generate prime numbers till the given number.

27. Write a C program to generate a multiplication table.

28. Write a C program to generate following output.

1

2 3

4 5 6

29. Write a C program to generate following output.

1

2 2

3 3 3

30. Write a C program to generate following output

1

1 2

1 2 3

31. Write a C program to generate following output.

```
*
*   *
*   *   *
*   *   *   *
*   *   *   *   *
*   *   *   *   *   *
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32. Write a C program for matrix multiplication.

33. Write a C program for matrix addition.

34. Write a C program for matrix subtraction.

35. Write a C program to transpose the given matrix.

36. Write a C program to demonstrate string handling functions.

37. Write a C program to demonstrate character handling functions.

38. Write a C program to demonstrate math functions.

39. Write a C program to add, subtract, multiply and divide two numbers using functions.

40. Write a C program to find the maximum of 3 numbers using functions.

41. Write a C program to calculate factorial of given number using recursive function.

42. Write a C program to demonstrate call by value.

43. Write a C Program to demonstrate pointer.

44. Write a C program to demonstrate call by reference.

45. Write a C program to demonstrate Structures using student information.

46. Write a C program to demonstrate the unions using employee information.

47. Write a C program to calculate the student total and average marks of the given subjects using structures.

48. Write a C program to demonstrate the string functions.

49. Write a C program to calculate factorial using recursive function.

50. Write a C program to find the number of days in a month using enumerated data types.

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