C Practical Assignments For MCA 1 st Year

1. Write a program to calculate simple and compound interest.
2. write a program to swap values of two variables with and without using third variable.
3. write a program to display the size of data type using "sizeof" operator.
4. write a program to illustrate the use of unary prefix and postfix increment and decrement operators.
5. Write a program to input two numbers and display the maximum number.
6. Write a program to find the largest of three numbers using ternary operators.
7. Write a program to find the roots of quadratic equation.
8. write a program to input name, marks of 5 subjects ofa student and display the name of the student, the total marks scored, percentage scored and the class of result.
9. Write a program to count number of digits in a given integer.
10. Write a program to reverse a given integer.
11. Write a program to print number in reverse order with a difference of 2.
12. Write a program to print the sum of digits of a number using for loop.
13. Write a program to check whether a number is Palindrome or not.
14. Write a program to generate Fibonacci series.
15. If a four-digit number is input through the keyboard, write a program to obtain the sum of the first and last digit of this number.
16. Write a program to find GCD (greatest common divisor or HCF) and LCM (least common multiple) of



1. Program: Write a program to display the following pattern.
2. Write a Program to find the largest and smallest element in Array.
3. Write a Program to reverse the array elements in C Programming.
4. Write a Program for deletion of an element from the specified location from Array.
5. Write a Program to access an element in 2-D Array.
6. Write a program for addition of two matrices of any order in C.
7. Write a Program to multiply two 3 X 3 Matrices.
8. Write a program to read a string and check for palindrome without using string related function (a string is palindrome if its half is mirror by itself eg: abcdcba).
9. Write a program to accept a string and count the number of vowels present in this String
10. Write a program to add, subtract, multiply and divide two integers using userdefined type function with return type.
11. Write a program to calculate sum of first 20 natural numbers using recursive function.
12. Write a program to generate Fibonacci series using recursive function.
13. Write a program to swap two integers using call by value and call by reference methods of passing arguments to a function.
14. Write a program to find sum of digits of the number using Recursive Function.
15. Write a program to read an integer number and print the reverse of that nuber using recursion.
16. Write a C program to find maximum and minimum between two numbers using functions.
17. Write a C program to check whether a number is even or odd using functions.
18. Write a C program to check whether a number is prime, Armstrong or perfect number using functions.
19. Write a C program to find power of any number using recursion
20. Write a program to find the sum of all the elements of an array using pointers.
21. Write a program to swap value of two variables using pointer.
22. Write a program to add two numbers using pointers.
23. Write a program to input and print array elements using pointer.
24. Write a program to copy one array to another using pointer.
25. Write a program to swap two arrays using pointers.
26. Write a program to reverse an array using pointers.
27. Write a program to search an element in array using pointers.
28. Write a program to add two 2 X 2 matrix using pointers.
29. Write a program to multiply two 2 X 2 matrix using pointers.
30. Write a program to find length of string using pointers.
31. Write a program to copy one string to another using pointer.
32. Write a program to concatenate two strings using pointers.
33. Write a program to compare two strings using pointers.
34. C Program to list all files and sub-directories in a directory
35. C Program to count number of lines in a file
36. C Program to print contents of file
37. C Program to copy contents of one file to another file
38. C Program to merge contents of two files into a third file
39. C program to delete a file