Year: 1 Semester: 1 Subject: FUNDAMENTAL OF PROGRAMMING

Code: CC103-N

List of experiments

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| SR\_No | Practical set-1 | Date | Sign |
| 1 | Write a program to print your address. |  |  |
| 2 | Write a program to perform average of five variables. |  |  |
| 3 | Write a program to print area of circle, rectangle and square. |  |  |
| 4 | Write a program to convert years into minutes. |  |  |
| 5 | Write a program to perform all the arithmetic operations together in a single program. |  |  |
|  | Practical set-2 |  |  |
| 6 | Write a program to print a character entered by user. |  |  |
| 7 | Write a program to convert small letter case to upper letter case. |  |  |
| 8 | Write a program to swap the values of two variables using third variable. |  |  |
| 9 | Write a program to swap the values of two variables without using third variable. |  |  |
| 10 | Write a program to find maximum and minimum numbers from two numbers by using Conditional operator. |  |  |
| 11 | Write a program to demonstrate bitwise operator. |  |  |
|  | Practical set-3 |  |  |
| 12 | Write a program to check whether the entered number is odd or even by using if else statement. |  |  |
| 13 | Write a program to check whether entered character is alphabet, digit or special symbol. |  |  |
| 14 | Write a program to find whether entered year is leap year or not. |  |  |
| 15 | Write a program to check how many days are there in entered month by using switch case. |  |  |
| 16 | Write a program to check whether entered character is vowel or consonant by using switch statement |  |  |
| 17 | Write a program to get maximum number among three |  |  |
| 18 | Write a program to calculate grade of given marks |  |  |
| 19 | Write a program to print first 10 integers by using go to statement. |  |  |
| 20 | Write a program to print addition of first n numbers by using go to statement. |  |  |
|  | Practical set-4 |  |  |
| 21 | Write a program to find reverse of given numbers. (Example 132-231) |  |  |
| 22 | Write a program to check whether entered number is Armstrong or not. |  |  |
| 23 | Write a program to check whether entered number is palindrome or not. |  |  |
| 24 | Write a program to print factorial of a given number. |  |  |
| 25 | Write a program to check whether entered number is prime or not. |  |  |
|  | Practical set-5 |  |  |
| 26 | Write a C program to find 1+1/2+1/3+1/4+....+1/n. |  |  |
| 27 | Write a program to add numbers until the user enters zero |  |  |

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| 28 | Write a program to print following patterns :  i \* ii \* iii \* \* \* \* \*  \*\* \* \* \* \* \* \*  \*\*\* \* \* \* \* \* \*  \*\*\*\* \* \* \* \* \* \*  \*\*\*\*\* \* \* \* \* \* \* |  |  |
| 29 | Write a program to print following patterns :  i 1  12  123  1234  12345  ii 55555  4444  333  22  1 |  |  |
|  | Practical-6 |  |  |
| 30 | Write a program to print 1 to 5 numbers using array. |  |  |
| 31 | Write a program to print 1 to 5 reverse numbers using array. |  |  |
| 32 | Write a program to find sum and average of five numbers. |  |  |
| 33 | Write a program to find maximum and minimum number from given array. |  |  |
| 34 | Write a program to find number of positive, negative and zero from given array. |  |  |
| 35 | Write a program to sort given n number using array. |  |  |
| 36 | Write a program to read matrix, display original and transpose of matrix. |  |  |
| 37 | Write a program to delete duplicate array elements. |  |  |
| 38 | Write a program to read and display 5 integer values in 1-D array. |  |  |
|  | Practical set-7 |  |  |
| 39 | Write a program to copy one string to another string. |  |  |
| 40 | Write a program to concatenate two strings |  |  |
| 41 | Write a program to find length of given string. |  |  |
| 42 | Write a program to find length of given string without using string function. |  |  |
| 43 | Write a program to copy one string to another string without using string function. |  |  |
| 44 | Write a program to compare two strings. |  |  |
| 45 | Write a program to reverse a given string. |  |  |
| 46 | Write a program to find given string is palindrome or not. |  |  |
| 47 | Write a program to convert a given string into upper case string. |  |  |
|  | Practical set-8 |  |  |
| 48 | Write a user defined function (UDF) to print whether entered number is odd or even. |  |  |
| 49 | Write a program to add first n numbers using user defined function (UDF). |  |  |
| 50 | Write a program to find out average of first n numbers using user defined function (UDF). |  |  |
| 51 | Write a program to check prime and Armstrong number by making functions. |  |  |
|  | Practical set-9 |  |  |
| 52 | Write a program to declare structure student having member’s grade, name and roll number and access them in various ways. |  |  |
| 53 | Write a program using structure to get name, roll number, and marks of a student’s of a class and find out who got highest marks. Use concept of structure within structure. |  |  |
| 54 | Write a program to create an employee structure having member’s name, salary, Get data in employee structure through one function and display data using another function. Use concept of struct and function. |  |  |
|  | Practical set-10 |  |  |
| 55 | Write a program to declare and use pointer variables. |  |  |
| 56 | Write a program to swap two values with help of call by value and call by reference. |  |  |
| 57 | Write a program to find length of string using pointer and without using string functions. |  |  |
| 58 | Write a C program to print the address of character and the character of string using pointer. |  |  |
| 59 | Write a program to access elements using pointer. |  |  |
|  | Practical set-11 |  |  |
| 60 | Write a program to write the characters into file from standard input and then read the characters. |  |  |
| 61 | Write a program to write the integers into file from standard input and then read the integers. |  |  |
| 62 | Write a program that creates the structure of student and Scan the data of n students and store. |  |  |
| 63 | Write a program that copies the contents of one file into another. |  |  |
| 64 | Write a program that appends the content of file at the end of the other. |  |  |