



This is to certify that Mr. / Ms.

studying in semester , class of CE / IT / CE-AI having enrollment no.

has satisfactorily completed his / her term work in the subject **01CE2101 Computer Programming**, for

the term ending in the month of , year .

Date:

Faculty In-Charge

Name:

Signature:

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**Practical – 1**

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| **Practical – 1** |
| 1) Motivational videos on programming. |
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| **Output:** |
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| 2) Introduction to Turbo C/code blocks/ visual studio code. |
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| **Output:** |
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| 3) Develop a program to print “Hello World”. |
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| **Output:** |
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| 4) Develop a program to print your address i) using single printf ii) using multiple printf. |
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| **Output:** |
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| 5) Develop a program to print addition of 2 numbers (with scanf). |
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| **Output:** |
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**Practical – 2**

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| **Practical – 2** |
| 6) Develop a program to convert temperature from Fahrenheit to Celsius. Hint: C= ((F-32)\*5)/9 |
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| **Output:** |
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| 7) Develop a program to find percentage of 5 subjects. |
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| **Output:** |
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| 8) Develop a program to convert seconds into hours, minutes & seconds and print in HH:MM:SS [e.g. 10000 seconds mean 2:46:40 (2 Hours, 46 Minutes, 40 Seconds)]. |
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| **Output:** |
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**Practical – 3**

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| **Practical – 3** |
| **Using simple if** |
| 9) Develop a program to check whether the given number is positive or negative. |
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| **Output:** |
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| 10) Develop a program to find out largest number from given three numbers using logical operator (&&). |
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| **Output:** |
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| **Using if…else…** |
| 11) Develop a program to check whether the given number is positive or negative. |
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| **Output:** |
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| **Using nested if** |
| 12) Develop a program to find out largest number from given three numbers without using Logical Operator (&&). |
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| **Output:** |
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**Practical – 4**

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| **Practical – 4** |
| **Using if…else if… else** |
| 13) Develop a program to check whether the given year is leap year or not. [If a year can be divisible by 4 but not divisible by 100 then it is leap year but if it is  divisible by 400 then it is leap year]. |
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| **Output:** |
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| 14) Develop a program to perform Addition, Subtraction, Multiplication and Division of 2 numbers as per user’s choice. |
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| **Output:** |
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| 15) Three sides of a triangle are entered through the keyboard, develop a program to check whether the triangle is isosceles, equilateral, scalene or right-angled  triangle. |
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| **Output:** |
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**Practical – 5**

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| **Practical – 5** |
| **Using Conditional operator (expr1?expr2:expr3)** |
| 16) Develop a program to find out largest number from given 2 numbers. |
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| **Output:** |
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| 17) Develop a program to read 3 numbers, multiply largest number from first two numbers to third one. |
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| **Output:** |
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| **Using Switch statement** |
| 18) Develop a program to print day name based on day number. |
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| **Output:** |
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**Practical – 6**

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| **Practical – 6** |
| **Discuss while loop** |
| 19) Develop a program to print 1 to 10. |
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| **Output:** |
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| 20) Develop a program to find factorial of the given number. |
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| **Output:** |
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| 21) Develop a program to find whether the given number is prime or not using break. |
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| **Output:** |
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| 22) Develop a program to print digits of given number. |
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| **Output:** |
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| 23) Develop a program to check whether the given number is palindrome or not. |
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| **Output:** |
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| 24) Develop a program to check whether the given number is Armstrong or not. |
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| **Output:** |
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**Practical – 7**

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| **Practical – 7** |
| **Discuss for loop** |
| 25) Develop a program to print numbers from 1 to 10. |
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| **Output:** |
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| 26) Develop a program to print odd numbers from 1 to n. |
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| **Output:** |
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| 27) Develop a program to calculate the sum of first n natural numbers. |
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| **Output:** |
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| 28) Develop a program to display the n terms of odd natural number and their sum. |
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| **Output:** |
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| 29) Develop a program to find factors of the given number. |
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| **Output:** |
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**Practical – 8**

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| **Practical – 8** |
| **Discuss nested for loop** |
| 30) Develop a program to find the sum of 1 + (1+2) + (1+2+3) + (1+2+3+4) + … + (1+2+3+..+n). |
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|  |
| **Output:** |
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| --- |
| 31) Develop a program to compute the value of 𝑒𝑥 by using the formula  𝑥 𝑥2 𝑥3  𝑒𝑥 = 1 + + + + ⋯  1! 2! 3! |
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| **Output:** |
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| 32) Develop a program to find out prime numbers between given two numbers. |
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| **Output:** |
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**Practical – 9**

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| **Practical – 9** | | | | |
| 33) Develop a program to display following patterns | | | | |
| 1  2 3  4 5 6  7 8 9 10 | 1  0 1  1 0 1  0 1 0 1 | 1  A B 2 3 4  C D E F | \*  \* \*  \* \* \*  \* \* \* \* | \*\*\*\*\*\*\*\*\*\*\*  \*\*\*\*\*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*  \*\*\*  \* |
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| **Output:** |
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| **Output:** |
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| 34) Develop a program to draw Pascal's triangle. |
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| **Output:** |
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**Practical – 10**

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| **Practical – 10** |
| 35) Develop a program to count number of positive or negative number from an array of n numbers. |
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| **Output:** |
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| 36) Develop a program to read n numbers in an array and print them in reverse order. |
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| **Output:** |
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| 37) Develop a program to find Max, Min, Sum, Avg of given numbers from an array. |
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| **Output:** |
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| 38) Develop a program to sort elements of an array in an ascending order. |
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| **Output:** |
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**Practical – 11**

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| **Practical – 11** |
| 39) Develop a program to read values in two-dimensional array and print them in matrix form. |
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| **Output:** |
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| 40) Develop a program to count number of positive, negative and zero elements from 3 x 3 matrix. |
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| **Output:** |
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| 41) Develop a program to perform addition of two matrices. |
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| **Output:** |
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| 42) Develop a program to calculate the length of given string using strlen. |
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| **Output:** |
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| 43) Develop a program to copy string using strcpy. |
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| **Output:** |
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| 44) Develop a program to compare two strings using strcmp. |
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| **Output:** |
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| 45) Develop a program to concatenate two strings using strcat. |
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| **Output:** |
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| 46) Develop a program to reverse string using strrev. |
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| **Output:** |
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**Practical – 12**

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| **Practical – 12** |
| 47) Develop a program to count simple interest using function. |
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| **Output:** |
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| 48) Develop a program to generate Fibonacci series of N given number using function name fibbo. (e.g. 1 1 2 3 5 8…) |
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| **Output:** |
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| 49) Develop a program to find the factorial of a given number using recursion. |
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| **Output:** |
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**Practical – 13**

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| **Practical – 13** |
| **Structure and Union** |
| 50) Develop a program to create structure of book with book title, author name, publication, and price. Read data of n books and display them. |
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| **Output:** |
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| 51) Develop a program to access members of a union using union variable. |
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| **Output:** |
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| **Pointers** |
| 52) Develop a program to print value and address of a variable. |
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| **Output:** |
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| 53) Develop a program to swap value of two numbers using pointer. |
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| **Output:** |
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**Practical – 14**

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| **Practical – 14** |
| 54) Develop a program to display content of a file. |
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| **Output:** |
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| 55) Develop a program to copy source file to destination file. |
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| **Output:** |
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