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| **Subject:** | Introduction to Computer Programming (01CT0101) |
| **Program and Semester:** | B. Tech. 1st Semester |
| **Course Coordinators:** | Prof. Chirag Joshi |

**List of experiments**

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| **Ex. No.** | **Experiment** |
| 01 | Write a program to print student detail (Name, Roll No, Branch and Department) |
| 02 | Write a program to calculate simple interest. |
| 03 | Write a program that accepts centigrade and convert it into Fahrenheit |
| 04 | Write a program that accepts two numbers in A and B interchange value of A and B variable. |
| 05 | Write a program to demonstrate the use of the basic data types int, char and float. |
| 06 | Write a program to demonstrate the use of Arithmetic operators by getting two numbers from the user |
| 07 | Write a program that accepts a number from keyboard and find weather the number is  ODD or EVEN using Conditional operators. |
| 08 | Write a program to demonstrate the use of increment and decrement operator. |
| 09 | Write a program to demonstrate the use of shorthand operators. |
| 10 | Write a program to demonstrate the use of sizeof() of operator. |
| 11 | Write a program to demonstrate the use of bitwise operators. |
| 12 | Write a program to find out the average of three numbers. |
| 13 | Write a program to calculate the gross salary of a person if the user enters the basic  salary. Dearness Allowance (DA) should be 50 percent of basic salary, and House Rent  Allowance (HRA) is 10 percent of basic salary. |
| 14 | Write down a program to calculate the compound interest |
| 15 | Write a program that accepts three numbers from the user and print maximum of  them. |
| 16 | Write a program that accepts two numbers and one code (1,2,3,4) from the user.  According to the code, the operations to be performed, using switch case statements  as follows: (Code: 1→ Addition, 2→ Subtraction, 3→ Multiplication, 4→ Division). |
| 17 | Write a program that reads the marks for five subjects of a student. Calculate and print  the grade for the student [i.e. Grade A, B, C, D and F] using Else-If ladder. |
| 18 | Write a program that do sum=1+3+5+……. N terms Print value of Sum. |
| 19 | Write a program to print the Fibonacci Series [i.e. 1,1,2,3,5,8,13…N terms]. |
| 20 | Write a program that accepts a number from the user and print prime numbers from 0  to that number. |
| 21 | Write a program to accept 9 numbers in form of matrix and display in matrix form. |
| 22 | Write a program to accept 5 numbers in array and find maximum and minimum value  of it. |
| 23 | Write a program to count number of vowels in a given string. |
| 24 | Write a program to calculate Factorial using recursion in UDF |
| 25 | Write a program to find Average, maximum and minimum of Array elements using UDF. |
| 26 | Write a C program to create a structure of employees with Full Name, Last Name, City and Salary. Display it for n employees |
| 27 | Write a program to create array of structure. Make a structure for student having student\_no, student\_name, student\_marks |
| 28 | Write a program to create union cricketer having player\_name, batting\_avg,  player\_age.P for swapping of two values with help of UDF and call by reference |
| 29 | Write a program to Display contents of a file on screen. Use functions (fopen,fclose, getc,putchar,eof) |
| 30 | Write a program to count number of characters in a file. |

**Course Coordinators Lab In charge H.O.D**