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| **Unit – I Introduction to programming in C** | | |
| **Day – 2** | | |
| **Lec #** | **Topics to be covered** | **Assignment** |
| 1 | Classification of Programming Languages  Compiler, interpreter, loader, linker, | **Essential Assignment**   1. Write a C program to print student information in the centre of screen using various design pattern with help of backslash character (“\n”, “\t”) 2. Write a C program to print any multiplication table using escape sequence. 3. Program that reads two nos. from key board and perform addition, subtraction, multiplication, division and modulo on that numbers. 4. Write a C program to calculate area of circle. 5. Write a C program to swap two no. (without using third no). |
| 2 | Structure of C Program, Comments, Meaningful identifiers name, Escape sequence, Overview of int and float data type, Input and Output of int and float data type, Arithmetic operators | **Desirable Assignment**   1. Write a C program to print employee information in the center of screen using various design pattern with help of backslash character (“\n”, “\t”) 2. Write a C program to print product information in the center of screen using various design pattern with help of backslash character (“\n”, “\t”) 3. Write a C program for calculating the compound interest using the formula:   CI= ((P\*(1+i)^n) - P), where P is the principal, i is the annual interest rate, and n is the number of periods.   1. Write a C program to calculate area of triangle, square and rectangle. 2. Write a Program to convert Days into Month and Day use modulo division operator 3. Write a Program to convert Paisa in to Rupees 4. Write a C program calculating the simple interest using the formula   SI = (P \* T \* R)/100, where P denotes the principal amount, T time, and R rate of interest. |