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| **Unit – 3** | | |
| **Day – 15** | | |
| **Lec #** | **Topics to be covered :** | **Assignments :** |
| 1 | Dynamic memory allocation, array allocation, memory freeing, memory reallocation.  Informative- void pointer, null pointer, pointer to pointer, Memory leak and memory corruption, pointer to constant and constant pointer. | **Essential Assignment**   1. Write a program to read and print array elements. Number of elements and their values must be taken at run time.. 2. Write a program to find the smallest element. Number of elements and their values must be taken at run time.. 3. Write a program to read and print two dimensional array. Number of rows are 4. Number of columns must be taken at run time.   **Desirable Assignment**   * **Students need to complete the pending work (Day-8 to Day-17) after completion of the above programs** |
| 2 | Pointer and string, Pointer arithmetic |