

Task 3. Having the examples above, define the most important usage areas of pointers

There are many usage of pointers. Such as,

- 1) We can pass parameters to a function by a pointers. That's one of the ways to change the value of a variable by passing as a function argument. Otherwise, the value only changes locally.
- 2) We can also access array memory location by pointers. Pointers and arrays are kind of same thing. A pointer points to the base address of an array. '
- 3) In dynamic memory allocation using pointer is really necessary. Because when we allocate a certain amount of memory, we need to hold the base address that memory. Otherwise it will be lost. We can hold the base address by using a pointer.
- 4) We can use pointers to take return of multiple values from a function.