

Pointer

A Pointer is a Variable that holds the memory address of another variable

the storage and retrieval of data using the memory address of a variable is faster than that of using variable

Declaration of a pointer Variable

data - type * Pt - name;

Ex ->

int * p

Dynamic memory allocation

Dynamic memory allocation is a process of allocating memory at runtime

there are four memory management function that can be used for allocating and freeing

memory during program execution

Memory allocation functions

- malloc()

Allocates request size of bytes and return a pointer to the first byte of the allocated space

- free()

frees previously allocated space

- realloc()

Modifies the ~~size~~ size of previously allocated space