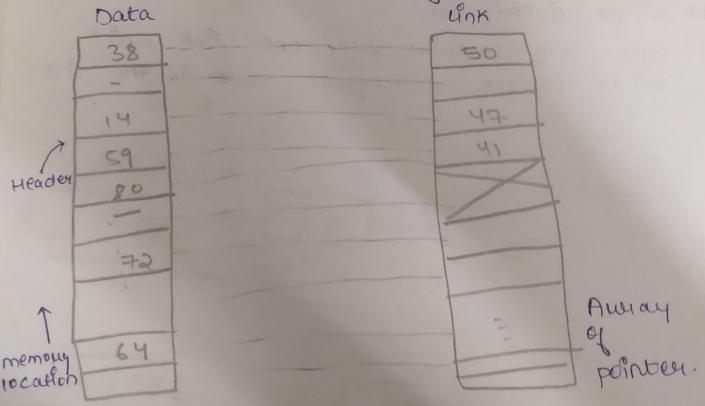
Linked List -> A Unked list is an ordered collection of fiftie homogenous data elements called nodes where the Break order & maintain by means of BAK OR Pointer. - There are mainly & types of linked list 1 Stople Linked List (2) Chaulasi Linked list 3 Double Boked List # Single linked list Each node contains only one link which points to the subsequent node in the list. 40000 HE A single linked let with 6 moder.

Static Representation!

- data and the other for links.
- Two parallel arrays of equal size are allocated which should be sufficient to store the entire linked list.
- This conduction to manage a linked list



Dynamic Representation Inned but ways of Hebriesenting o Dumplos する whenever a node is negotived the nations + It netherns the number node to the the memory bank found, guants the here memory space) Such a memony that space which is available in memony that space which is available is also onother purguam called memory Storage. In this method, there is a memory bank. placed to the manary manager; memory manager will the south a memory and a memory manager (a program) bank (collection of thee memory book for the block memory monogement. managment & Known the thee pool of a node in Sampage

The Pouley. 164t dynamic nepresentation of wer the alphanic memory managment Linked

Note: - in Python it take place auto -matically, as a series we stor't have to take come or

3) in c, c++ we have take cause to COLLECTOR Tetas the unused node gouldge

19 th Openations on a single linked list.

Deserting the list to make a dupli tron the let to make a amplicate

5 mouging the linked list with another one to -00 to

Sean ching List. for an element

Why Loved list over Anergy: · fundament . In configuous memory socation, so insertion are stoned adeletion operation are quite time

- In case of required for a arriary amount of memory cannot expand the size.

Linked List consume more space than neturned to the three struge space. managment A Linked Mut uses a dynamic not required any more, it can be than the the can be scheme & memory the two time as memosy allocation in

space near to maintain the links among the nodes. for arreal data on we have

Headen Submerel Burner Headen in Hed a Node End. Egant meanouty in the front Hew Z or o 250