Datu Structure is a collection of values Algorithms are the Steps | placesses to manipulate these collection of values

What is a data structure

_ collection of values

. Values can have relationships among them & functions applied

- enery is specialized for its one purpose

* Metaphorical to different type of storage containers

in drawer, refrigerator, backpacle , each has it's own specific NSUS

//Block chain is also a data structure

Poyramming models to real-life scenarios - organization is akin to data structures

To master data Structures'.

1) How to boild one

- More important , since D.S. is pre-built 2) How to use it

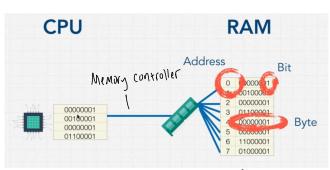
why D.s. is important:

COU

Compyations

PAM Tempulary storage (fast) [Valiable 5 , int a = 1]

Storage Pelmuncur Sturage (Slow)



optimize bits int us double 32 05 64 age I money using dushe to store on age

The closer the memory, the foster the computer uses it. . Kind of like the cpu cache

- D.S. 'S an arrangement of data, you define the way you interest with this data and how it is arranged in RAM data and how it is arranged in RAM. Some D.S. in RAM ore organized next to each other or far away.
- * Goal is to: minimize the operation needed for the CBU to manipulate
 the information (insert, delete sete)