DATA STRUCTURE

DEFINITION

- It is the representation of the logical relationships existing between individual elements of data.

- It is the way of organizing all data,not only the elements stored but also their relationships to each other

CHARACTERSTICS

- Organization of data

- Accessing methods

- Degree of associativity

- Processing alternatives for information

- ALGORITHM + DATASTRUCTURE = PROGRAM

TYPES OF DATA STRUCTURE

- PRIMITIVE DATA STRUCTURE

EXAMPLE: **_Integer,float,character,pointer_**

- NON –PRIMITIVE DATA STRUCTURE

EXAMPLE:**_Arrays,list,files_**

LIST can be divided into two

- Linear list

- Example : **_stack ,queue,linked list_**

- Non –linear list

- Example:**_Graph,Tree_**