DAY-13.

ayraphs.

To non-linear data ostructure.

To a pictorial representation

To a set of objects where some

pairs of objects orre connected by

links.

Thousand

Links of edger.

Dictionaries and D'Lists"

Edge 0-3 ON Node

1: [2,3],
2: [1,3],
3: [1,2,4],
4: [3]

Implementation: A simple program: class Grapp: grouph-dict = [] Let add Edge (self, node, noighbox): if node not in self. graph-dict; Self. grouph-dict [node] = [neighbor] gelf. graph dict [node] appendingabor) Lof ahow-edges (self): for node in self graph dict; for neighbor in self. graph-dict [node]: print ("(", node,",", neighbor,")") Application of graph: -> to define the flow of computation. -> to represent networks of communication.) to represent data -) can be used to model many types of relations and process dynamics. * graph plays major role in solial media such as Linkedly and Force book.