**Day 2 : 9 February 2025**

**Data Structure**

**Linear data structure**

**Object :**

Object is any real world entity

Person, Bank, Animal, Car, Custom etc

Property or state --🡪 have , variables or fields

Person

Behaviour -🡪do/does function or methods

To implements this object concept in JS.

1. Literal style object creation.
2. Function style object creation
3. Class style object creation

**Stack :**Stack is a linear data structure which follow First In Last Out (FILO) or Last In First Out(LIFO) concept or principle.

In Stack we do operation as

1. Push : use to add the element from top to bottom
2. Pop : it is use to remove the element from stack
3. Peek :it is use to display top most present in stack.
4. isEmpty() : it is use to check stack is empty or full.
5. Size : it use to display number of element present in stack.

Stack

1. Method or function invocation in all language
2. Browser history :
3. Undo – re-undo features use stack concept.