DS: Question Bank

- What is an array?
- Write code to take array elements from user and display the elements

- Explain how arrays are different from lists in Python.
- Explain Advantages of Linked List
- Explain following Searching Techniques with Examples
  - 1) Linear Search
  - 2) Binary Search
- Explain following Sorting Techniques with Examples
  - 1) Bubble Sort
  - 2) Insertion Sort
  - 3) Selection Sort
  - 4) Quick Sort
  - 5) Merge Sort
- What is Class and Object in python explain with examples
- Explain constructor and types of constructors with example
- Explain Linked List and Types of LL
- Explain Singly linked list and write Program to create and display Singly LL in Python

- Array Methods. Explain each method with example

Method	Description
append()	Adds an element at the end of the list
clear()	Removes all the elements from the list
copy()	Returns a copy of the list
count()	Returns the number of elements with the specified value