1) What do you mean by Data Structures?

2) Define The Goals Of Data Structure?

3) What is the Need of DS

4) List out the areas in which data structures are applied extensively(real time examples)?

5) List different types of data structures.

6) What Does Abstract Data Type Mean?

7)Difference between Primitive and Non Primitive DS

8)Difference between Linear and Non Linear DS

Note: Rest of the questions answer written in notebook.

Question- Difference between Primitive and Non Primitive DS?

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| **Primitive data structure** | **Non-primitive data structure** |
| Primitive data structure is a kind of data structure that stores the data of only one type. | Non-primitive data structure is a type of data structure that can store the data of more than one type. |
| Examples of primitive data structure are integer, character, float. | Examples of non-primitive data structure are Array, Linked list, stack. |
| Primitive data structure will contain some value, i.e., it cannot be NULL. | Non-primitive data structure can consist of a NULL value. |
| The size depends on the type of the data structure. | In case of non-primitive data structure, size is not fixed. |
| It starts with a lowercase character. | It starts with an uppercase character. |
| Primitive data structure can be used to call the methods. | Non-primitive data structure cannot be used to call the methods. |