**Question 1: In computer science, what is a solid list (array)? Give example.**

The solid list is a list that the memory space stores the elements is placed consecutive in memory.

Ex: int MaxLen = 10000; // #define MaxLen 10000

int Length;

T CD\_LIST[MaxLen]; // T\* CD\_LIST = new T[MaxLen];

Question 2: In computer science, what is a linked list? How many types of that? Give example.

The linked list is a set of elements where there is a connection with each other through their linkage.

The connection between elements in the link list is the management, mutual binding of the content of one element and the address of the other element. Depending on the degree and way of connection, the link list can be divided into many different types:

* Singly linked list
* Doubly linked list
* Multiply linked list
* Circular linked list

Ex:

-singly linked list:

struct Node

{

int info;

Node \*link;

};

-doubly linked list:

struct Node

{

int info;

Node \*PreNode;

Node \*NextNode;

};

Question 3: Why STACK and QUEUE are considered link restricted list? Give example.