



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 44

Topic : Introduction to Data Structures

Subject: COMPUTER SCIENCE

Class - 12

F.M:15

Chapter: Programming in C: Data Structures

Date: 28/11/2020

Choose the correct answer for each question:

15x1=15

- Which of the following is not a primary data type in C?
 - char
 - int
 - struct student
 - double
- To efficiently organize, store and process complex data, a computer system uses special types of data storing mechanisms called:
 - Database
 - Data containers
 - Data formats
 - Data structures
- Which of the following is an in-built data structure in C?
 - Array
 - Queue
 - Linked List
 - Stack
- There exist in C two inbuilt data structures – one is an array, the other is a :
 - structure
 - Linked list
 - Stack
 - Queue
- In a data structure, if every data element points to a single data element in a linear manner, then it is called a:
 - Collinear data structure
 - Normal data structure
 - Linear data structure
 - User-defined data structure
- Which of the following is not an example of linear data structure?
 - Array
 - Graph
 - Stack
 - Linked List
- In programming, the term ADT stands for:
 - Alternate data type
 - Automatic data type
 - Asymmetric data type
 - Abstract data type

8. A stack uses a _____ access mechanisms.
- Last in last out
 - First in First out
 - Last in First out
 - All of these
9. Two basic operations on a stack are generally called:
- add and delete
 - input and output
 - store and delete
 - push and pop
10. What type of a data structure best represents a pile of books on the table?
- Array
 - Stack
 - Linked List
 - Queue
11. A queue uses a _____ access mechanisms.
- Last in last out
 - First in First out
 - Last in First out
 - None of these
12. Two basic operations done on a queue are generally called:
- Save and delete
 - Input and output
 - Push and pop
 - Store and retrieve
13. When a member of a structure type data is a pointer of the same data type as the structure being defined, then such a structure is called a _____.
- Self-referential structure
 - Self-defining structure
 - Self-pointing structure
 - self-indicating structure
14. The two parts of a node in a linked list consists of:
- a name part and a data part
 - an array part and a link part
 - a data part and a link part
 - an integer part and a data part
15. A linked list where a single link field in each node is used to store the address of the next node of the list, is generally called a _____.
- Uni linked list
 - Uniform linked list
 - Singly linked list
 - One link list

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