مختبر هياكل بيانات المرحلة الثانية

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| **الملاحظات** | **المخطط ( اسبوع )** | **المرحلة الدراسية** | **الجهاز المستخدم** | **اسم التجربة** | **ت** |
|  | 1 | الثانية | Computer | Define the data structure & Examples | 1 |
|  | 2 | الثانية | Computer | Array Concept, implementation of one, two, three - Dimensional Array | 2 |
|  | 2 | الثانية | Computer | Linear List, Types of Linear List | 3 |
|  | 3 | الثانية | Computer | Stack, Array Representation of Stack, Stack Algorithms, Stack Application, Record Representation | 4 |
|  | 3 | الثانية | Computer | Queue, Array Representation of Queue, Queue's Subprograms, Record Representation, Queue Applications | 5 |
|  | 2 | الثانية | Computer | Circuit Queue (CQ), Double Ended Queue | 6 |
|  | 3 | الثانية | Computer | Pointers, Linked List, Linked Stack, Linked Queue, Circular Linked List, Double linked List | 7 |
|  | 3 | الثانية | Computer | Graph Data structure | 8 |
|  | 4 | الثانية | Computer | Tree structure, Binary Tree, Tree Traversing, Trees Representation, General Tree, | 9 |
|  | 3 | الثانية | Computer | Binary Tree, Representation of Arithmetic Expression using Binary Tree, Tree Transformation, Binary Search Tree | 10 |
|  | 4 |  |  | Heap Sort, Selection Sort | 11 |