**الموضوعات البحثية هياكل البيانات والخوارزميات - ثانية**

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| **م** | **اسم المقرر** | **الفرقة** | **استاذ المادة** | **الموضوعات البحثية** |
| 1 | هياكل البيانات والخوارزميات | الثانية | د.أسامة أبو زيد | **Topic1:** Write about **"Linear Data Structures : *ArrayList* , *LinkedList* with its types, and List<T>".**  **Topic2:** Write about **" Linear Data Structures : *Stack* , *Queue*, *Stack* <T>, and *Queue* <T>**".  **Topic3:** Write about **"Tree-like Data Structures : *Binary Trees*, and *BST* with its types of traversing"**.  **Topic4:** Write about **"Algorithm Complexity : Big-O Notation, Omega Notation (Ω), and Theta Notation (Θ) with examples".**  **Topic5:** Write about **"Some of Sorting Algorithms with their pseudo code and complexity**".  **Topic6:** Write about **"Some of Searching Algorithms with their pseudo code and complexity**" |

**د. أسامة محمد أبو زيد مدرس علوم الحاسب**