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| ***MODULE NUMBER*** | | 07 | |
| ***TOPIC(S)*** | | Heaps and priority queue | |
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| **--- PRECLASS ---** | | | |
| **SHORT VIDEO** | <https://goo.gl/NVdz6C> (Introduction to heaps\*) | |  |
| **BOOK** | GTG Chapter 9 (everything!) | |  |
| **QUIZ** | ADSA Quiz Week 07  <https://goo.gl/forms/KFnoixu1ZK5uW1fE3> | |  |
| **TO-DO** | PyCharm: module07 >>> preclass  Check the implementation of the classes in heap\_priority\_queue.py and adaptable\_heap\_priority\_queue.py | |  |
| **--- PROBLEM SET 1 (Thursday October 13th) ---**  In module07 >> part01  - Complete the implementation of the Flight Control Simulator (more instructions in PyCharm) | | | |
| **--- POST-CLASS 1 ---** | | | |
| **TO-DO** | Complete problem set 1 | |  |
| **NO PROBLEM SET 2** | | | |

\* Note that this video considers “max-heaps”, that is, heaps where the “most important” element has highest priority (or value). The book (and the implementation in PyCharm) considers “min-heaps”, that is, heaps where the “most important” elements have lowest priority (or value). The rules are exactly the same!