**Reading (VIPERS FORM)**

Use this form to record key ideas from reading to prepare for the lessons.  make sure you upload the completed form in TEAMS (Reading section)

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| Topic you prepared: | Links used: |
| Stacks | [Stacks — Isaac Computer Science](https://isaaccomputerscience.org/concepts/dsa_datastruct_stack?examBoard=all&stage=all) |

Terms: Write any new technical term and their meaning, add more rows if needed.

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| **Terms** | **Meaning** |
| Stack | an abstract data type that holds an ordered, linear sequence of items |
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| **tack underflow**. | can occur if you try to remove elements from an empty stack. |

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| **What can we understand from the topic?** |
| Stacks can involve a static or dynamic implementation. This may find certain syntax has built in structures that can be used to use a stack.  **Static array**, the first element of the array, which is located at position 0,0, will be the bottom of the stack. The stack will have a fixed capacity, which means that if you continuously add items to the stack, it will result in a **stack overflow.** |

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| **How this topic linked to other previous topics? What conclusions can we draw from this topic?** |
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| **What are the strengths / applications of this topic? (e.g. accuracy, steps of calculations, time or space complexity, used when …., hardware and software needs, ethical or legal issues, ….etc.)** |
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| **What are the limitations / drawbacks of this this topic (e.g. problems, limited accuracy, too many steps, too complex, cannot be used when, hardware requirements, ethical and legal issues, ….. etc.)** |
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| **Write a summary of the topic in 50 words** |
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