Class 7 Quiz: [Lesson 3, Part 1: Logical Data](https://www.youtube.com/playlist?list=PLSt7rwoPGTy2jM0HTYnkuUplnTi7A3w4G)

**PROBLEM 1:** Please fill out the tables below. Please be honest with yourself. The point of this exercise is to track your progress. Remember that in this class, you have many opportunities to recover from setbacks. If you’re falling behind, it might be helpful for us to set up a meeting. This class is fast paced : I’ve prepared a lot of material for you. I know how seriously you take your education and I want to support your success. Falling behind is not an indication of failure: it is an opportunity for growth. The first steps in that process are to take an accurate and honest look at your progress. If you are a bit behind, please reach out to me (in addition to noting this in you quiz). Let’s meet and figure out how I can support your learning.

ENGR 11, Unit 1, Lesson 2, Part 2

[Play with Arrays](https://youtube.com/playlist?list=PLSt7rwoPGTy1rVoiCXFU5fpB38Q7a7ISE) (6 Videos: 1 hour, 31 min, 38 sec)

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| --- | --- | --- | --- | --- | --- |
| Video Title | Length | Complete (Yes or Not Yet) | Watch  Video | Read  Notes | How long did it take you? |
| 1. [How to use colon notation to address arrays](https://www.youtube.com/watch?v=TV20k8ecEl0) | 24m, 49s |  |  |  |  |
| 2. [How to create zeros, ones, or identity matrices?](https://www.youtube.com/watch?v=xi7bTcJg8Ys) | 6m, 57s |  |  |  |  |
| 3. [How to use the transpose operator](https://www.youtube.com/watch?v=6HoIOfYBbxg) | 15m, 37s |  |  |  |  |
| 4. [How to add or delete entries in an existing matrix](https://www.youtube.com/watch?v=eaCsHd-XE6U) | 8m, 34s |  |  |  |  |
| 5. [How to define block matrices](https://www.youtube.com/watch?v=_6WVTIdmcis) | 17m, 43s |  |  |  |  |
| 6. [What are built-in functions for handling matrices?](https://www.youtube.com/watch?v=Rvy-R1gEAZM) | 17m, 53s |  |  |  |  |

ENGR 11, Unit 1, Lesson 3, Part 1

[Logical Data](https://www.youtube.com/playlist?list=PLSt7rwoPGTy2jM0HTYnkuUplnTi7A3w4G) (8 Videos: 1 hour, 34 min, 14 sec)

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| --- | --- | --- | --- | --- | --- |
| Video Title | Length | Complete (Yes or Not Yet) | Watch  Video | Read  Notes | How long did it take you? |
| 1. [What is the logical data class?](https://www.youtube.com/watch?v=8m8uOHyedVE) | 18m, 47s |  |  |  |  |
| 2. [What is a logical scalar?](https://www.youtube.com/watch?v=IlGveBvR1EY) | 7m, 41s |  |  |  |  |
| 3. [What is a logical vector?](https://www.youtube.com/watch?v=rkznI-FJ6x0) | 11m, 55s |  |  |  |  |
| 4. [What is a logical matrix?](https://www.youtube.com/watch?v=blYKbodvBj8) | 7m, 10s |  |  |  |  |
| 5. [How can we accurately refer to the size of logical data?](https://www.youtube.com/watch?v=KClwIb3f4T4) | 4m, 27s |  |  |  |  |
| 6. [What is the logical NOT operator?](https://www.youtube.com/watch?v=3hpNXSLqoZM) | 10m, 03s |  |  |  |  |
| 7. [What is the logical AND operator?](https://www.youtube.com/watch?v=pY6jSqn2QyE) | 19m, 15s |  |  |  |  |
| 8. [What is the logical OR operator?](https://www.youtube.com/watch?v=pr9ETk1_GSk) | 14m, 48s |  |  |  |  |

**PROBLEM 2:** What suggestions do you have for me to improve this class? This is an open invitation to help me make this class more useful for you. I am working really hard to support your learning and to create a learning environment that empowers you to choose your own adventure. I recognize that this is a hard task and I’d love your help to improve my systems. Please feel free to give me guidance on what we can do to make this space a more supportive and nurturing environment to support your learning.

**PROBLEM 3:** What questions do you have for me at this point? These might be technical questions, class-structure questions, or other questions?

**PROBLEM 4:**

What else would you like to share that you haven’t shared in your responses to the questions above.