

## Assignments Unit 2 - classes and objects

Do as you have time, do not worry about days!

- day 1
1. You should print out Unit 2 Notes/Exercises/Programs. Print also the Java Quick Reference from the same page as the Unit 2 Notes. Keep it handy. You will be allowed this on the Exam - both MC and Free Response! Text if you get stuck at all!
  2. Go to Video Learning, select the next video AP CS A Unit2 V1. You will learn to use classes and create objects/use methods and understand types of methods as well. Take notes on page 1. When you have completed this, do the Unit 2 Exercises 1-10. Check your results. (Note keys for notes and exer are available next to blank versions)
  3. Go to Video Learning, select the next video AP CS A Unit2 V2. You will learn to use Rectangle class/use its methods. Take notes on page 2. When you have completed this do the Unit 2 Exercises 11-14. Check your results.
- Request Exit Ticket 2.0 from me. For quickest turn around, send me a text. Same goes for any help request or clarifications!!
- day 2
- Do programs 1-3. You may utilize page 2 of notes for info on constructors and methods of the Rectangle class. You would be provided these on an AP exam as well! {I have written out solutions for these 3 programs. Note: there is not just one answer. Request Exit Ticket 2.1 from me. email/text me if you have any questions. day 3 has a long video, so you may want to get a start.
- day 3
- Start on notesunit2 page3-4. Watch video AP CS A Unit2 V3. Once you have finished do exercises 15-34. Check your exercises.
- day 4
- do programs 4, 5, and 6. Reminder: use method `nextLine()` to grab a String using the Scanner object. Request Exit Ticket 2.2 from me. Keep in mind it is good to debug with help from your classmates! (Day 5 is longer so you may want to watch V4)
- day 5
- Start on notesunit2 page5. Watch video AP CS A Unit2 V4. (`indexOf`, `equals`, `toLowerCase` methods of String class)  
Start on notesunit2 page6. Watch video AP CS A Unit2 V5. (`compareTo` method of String class)  
Once you have finished do exercises 35-47. Check your exercises.

- day 6      Work on programs 7-11. You will use `compareTo`, `equals`, `indexOf`, `toLowerCase` methods. Request Exit Ticket 2.3 from me.
- day 7      Request MC Quiz from me. (10 questions)  
Start on notes unit 2 page 7 - Math class.  
Watch video AP CS A Unit2 V6 and take notes. Do exercises 48-52.  
Check your work. Do programs 12-14 now.
- day 8      Start on random method notes, page 8.  
Watch video AP CS A Unit2 V7. Next finish your exercises.  
Check your work. Do program 15-17. Request Exit Quiz 2.4
- day 9      Take Test once you have completed all work prior to this.  
Request test from me. I have an alternate version should you struggle. We care about the learning. Once you hear back with your score, move onto Unit 3! This gets us to the stuff we need to really write useful code, logic and conditional statements!!

Great job so far y'all!

