* If you are going to be late, then let one of the instructors know on **Slack**. Don’t email Mike.
* Competency Grading
  + Will show them that you know your stuff
* Computer Programming – method of problem solving
* Data structures – tools to help us solve the problems
* Meet up with Topher at 9, breakout rooms will be set up and lecture may or may not start with William Sakas (and 4 other TAs)
* Will will take questions during lecture (not on Slack), raise your hand on Zoom
* He will stop 3 or 4 times during the lecture to allow questions

TAs

* Ashfak Uddin
* Krina Patel

Designated Slacker – person who watches the Slack in the Breakout room

1. Find the character position of the first space in the string
2. Create a string secondWord

For each letter in the second word

Print and concatenate each letter in secondWord

If

next character is a space, **break and stop the code**

Else

Print and concatenate the next character to **secondWord**

Data Structures – programming based course

4 computer science courses

Methods, curriculum development

Ethics – small programming component to illustrate ethical concerns

Raise awareness to bring it to students

Topics – design a unit around a concept

Some programming, you get to select what you want to do

**ArrayList Notes**

* ArrayList<> 🡨 defaults to **Object**, but you do not want to do that
* Will allow you to put in anything, but it will only relate to it as an object
* You have to then **typecast it** if you want go get access to it
  + OBS – broadcast management system, will allow you to show whatever you want to do or use
* **Add() method different than set() method**
  + Add() method only inserts meaningful element at the end
  + Set(index *i*,element *e*) inserts an element at index  
    replaces or substitutes previous element with new element *e*
  + Add(index *i*,element *e*) insert an element an index  
    does **not** replace it, just pushes everything else over to the next index to make room for the new element *e* to be placed at *i*
* Adding things to the front will be slower than adding things to the end
* Angle brackets are used for Java generics

**Methods for teaching Computer Science**

JonAlf prefers submitted materials in PDF form