Lecture Examples: Code Examples from Class Video Lectures

COSC 2336: Data Structures and Algorithms

Summer 2021

About this Repository

Lecture video code examples for COSC 2336 Data Structures and algorithms class Texas A&M University - Commerce.

This repository should contain all of the example code used in our COSC 2336 Data Structures and Algorithms lecture videos. Examples are numbered by unit number `U01`, `U02`, etc. though some semesters units are rearranged or combined (especially in summer) so you may have slightly different unit numbers than for your class management system. But hopefully the example titles will provide enough information to find and run the code examples you are interested in from the lecture videos.

Built With

This repository assumes you have the same development tools and environment we use for class assignments.

- Gnu C/C++ Compiler Tools
- Gnu Build tools, like Make
- Git revision control tools

Getting Started

This repository uses a standard

```
$ ./configure
$ make
$ make tests
```

to configure and make all of the code examples. The `make tests` target actually runs all of the compiled code examples, generating a lot of output, so may not be too useful if you are interested in simply looking at and running a single one of the examples. You only need to run the configuration the first time you want to use the code repository, as usual for our assignments and other activities.

This repository has a `.vscode` setup, so if you are using Visual Studio Code development IDE, as is common for this class, you should have the shortcuts defined from your ide to run the actions:

```
ctrl-shift-1  make clean
ctrl-shift-2  make all
ctrl-shift-3  make tests
```

If you want to (re)compile a single example, refer to it by name as a make target and run it from the command line as follows:

```
$ make u01-1
$ ./bin/u01-1
```

though of course the `make all` target will only recompile out of date examples, so you can perform make all if you are modifying and exploring one of the code examples to understand it better. You can get a complete list of build targets using

```
$ make help
```

Who do I talk to?

Course Instructor: derek dot harter at tamuc dot edu