

IT 140 Run the Code Challenge Activities

In Modules One through Six, you will complete a series of units for select content areas. Each unit also contains challenges activities. The goal of a challenge activity is to demonstrate the scripts that are introduced in each unit. The challenges will reinforce the information you just learned and provide an opportunity for you to perform functions. The chart below provides a summary of the different Codio units that will be assigned, the modules they are assigned in, and a list of the challenges within each unit. Use this assignment sheet to track all Run the Code assignments in this course.

Review the following resources to learn more about accessing and navigating Codio:

- **Document:** [How to access Codio](#)

View this document for additional information on logging into your Codio account.

Note: Make sure that you reference [the information Codio provides on the best browser](#) to navigate this resource before you proceed to log into your Codio account.

- **Video:** [How to Use Codio: Terminal](#) (2:07)

View this tutorial for additional information on navigating the Codio terminal window.

Log into Codio to complete the challenges found within these units:

Unit and Module	Codio Challenge	Point Value	Estimated Completion Time
Numeric and String Expressions (Module One)	2.2 Addition	9	15 min
	2.3 A* (B + C / 3)	9	15 min
	3.2 Joining Strings	9	15 min
	3.3 Joining More Strings	9	15 min
	3.4 Strings Containing Numbers	9	15 min
	4.1 Fix Challenge 1	10	
	5.1 Fix Challenge 2	10	

Conditional Statements (Module Two)	2.5 Challenge ==	6	10 min
	2.7 Not equals !=	6	10 min
	2.9 Fix the errors	7	10 min
	2.10 Fix more errors	7	10 min
	2.11 1 or 0	7	10 min
	2.12 True or False	7	10 min
	3.2 Fast cars 1	7	10 min
	3.3 Fast cars 2	7	10 min
	3.4 Categories	7	10 min
	4.2 Simple Boolean return	7	10 min
	4.3 Boolean inputs	7	10 min
Loops (Module Three)	3.1 Count from 0 to N	9	10 min
	3.2 Count from N to 0	9	10 min
	3.3 N to 0 or -N to 0	9	10 min
	6.1 Times table	9	15 min
	6.2 Factorial	9	15 min
	6.3 Squared	10	15 min
	6.4 X to the Y	10	15 min
	6.5 Fibonacci sequence	10	30 min
Lists (Module Four)	3.1 List sum	5	15 min
	3.2 Populate a new list	5	15 min
	3.3 Short string list	5	15 min
	3.4 Simple number search	5	15 min
	3.5 Max number	5	15 min
	3.6 X 10 every other	5	30 min
	3.7 1 in, 2 out	5	15 min
2D Lists (Module Four)	3.1 Easy peasy	5	15 min
	3.2 List 'em out	5	15 min

	3.3 Dynamic creation	5	15 min
Lists and Dictionaries (Module Four)	4.0 Create Empty Dictionary	5	15 min
	5.0 Create Populated Dictionary	5	15 min
	6.0 Accessing Person Age	5	15 min
	7.0 Add New Key/Value	5	30 min
	8.0 Update Dictionary Value	5	15 min
Functions (Module Five)	3.1 Random String	18	15 min
	3.2 Hunt for Red	19	15 min
File Handling (Module Six)	4.3 Challenge: Reading a Text File	15	30 min
	4.5 Challenge: Writing a Text File	15	30 min
	5.3 Challenge: Fixed Length Records	15	30 min
	5.5 Challenge: Variable Length Records	15	30 min
	5.6 Final Challenge	15	45 min
Regular Expression (Module Six)	6.0 Regular Expression Search	19	20 min
	8.0 Regular Expression Replace	19	20 min