

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:

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

Module Two: Conditional Statements	2.5 Challenge ==	6	10 mins
	2.7 Not Equals !=	6	10 mins
	2.9 Fix the Errors	7	10 mins
	2.10 Fix more Errors	7	10 mins
	2.11 1 or 0	7	10 mins
	2.12 True or False	7	10 mins
	3.2 Fast Cars 1	7	10 mins
	3.3 Fast Cars 2	7	10 mins
	3.4 Categories	7	10 mins
	4.2 Simple Boolean Return	7	10 mins
	4.3 Boolean Inputs	7	10 mins
Module Three: Loops	3.1 Count from 0 to N	9	10 mins
	3.2 Count from N to 0	9	10 mins
	3.3 N to 0 or -N to 0	9	10 mins
	6.1 Times Table	9	15 mins
	6.2 Factorial	9	15 mins
	6.3 Squared	10	15 mins
	6.4 X to the Y	10	15 mins
	6.5 Fibonacci Sequence	10	30 mins

Module Four: Lists	3.1 List Sum	5	15 mins
	3.2 Populate a New List	5	15 mins
	3.3 Short String List	5	15 mins
	3.4 Simple Number Search	5	15 mins
	3.5 Max Number	5	15 mins
	3.6 X 10 Every Other	5	30 mins
	3.7 1 In, 2 Out	5	15 mins
Module Four: 2D Lists	3.1 Easy Peasy	5	15 mins
	3.2 List 'em Out	5	15 mins
	3.3 Dynamic Creation	5	15 mins
Module Four: Dictionaries	4.0 Create Empty Dictionary	5	15 mins
	5.0 Create Populated Dictionary	5	15 mins
	6.0 Accessing Person Age	5	15 mins
	7.0 Add New Key / Value	5	30 mins
	8.0 Update Dictionary Value	5	15 mins
Module Five: Functions	3.1 Random String	40	15 mins
	3.2 Hunt for Red	35	15 mins
Module Six: File Handling	4.3 Challenge: Reading a Text File	10	30 mins
	4.5 Challenge: Writing a Text File	10	30 mins
	5.3 Challenge: Fixed Length Records	10	30 mins
	5.5 Challenge: Variable Length Records	10	30 mins
	5.6 Final Challenge	15	45 mins
Module Six: Regular Expressions	6.0 Regular Expression Search	10	20 mins
	8.0 Regular Expression Replace	10	20 mins