Last Export: Aug 14 at 11:19pm

► Module 1 : Course Intro, Intro to Programming and The Python Language, Variables, Co...

Complete All Items

→ Mod	▼ Module 2 : Intro to Lists, Loops, and Functions				
Till.	Module 2 : Intro to Lists, Loops, and Functions Marked done	\	/		
1. Mo	dule Introduction & Resources				
fli.	Module 2 Introduction Mark done)		
Alli.	Reading: Module 2 Resources Mark done)		
2. Data Structures: Intro to Lists					
fills	Creating a list (0:30) Mark done)		
fills	Updating a list (1:30) Mark done		\supset		
3. Flo	w Control: Loops				
fills	Types of Loops (0:17) Mark done)		
4. 'for	'loops				
Till.	Executing code a given number of times (1:04) Mark done)		

	Iterating over a list (3:31) Mark done	\circ
	Code Along Exercise : Find minimum value (2:21) Mark done	0
ilii.	Iterating over strings (1:34)	
illi.	Iterate over a string (1:09)	
illi.	Code Along Exercise : Iterate over a name (1:48)	
	'for' loops using range (4:51) Mark done	\bigcirc
a liii.	List comprehension (1:32) Mark done	0
5. 'wh	nile' loops	
	Repeatedly executing code based on a condition (1:12) Mark done	\bigcirc
and the state of t	Waiting for user input (0:45) Mark done	\circ
	Code Along Exercise : Secret password (1:54) Mark done	0
	Exiting a loop using break (1:09) Mark done	0
filts	Exiting a loop using continue (1:24) Mark done	0
	Nested loops (1:00) Mark done	0
	Code Along Exercise : Multiplication tables (1:12) Mark done	0

8/2//23, 5:05 PM	Course Modules: CTF 5910 - Fall 2023	
	Code Along Exercise : Greet user (1:14) Mark done	0
iii.	Code Along Exercise : Area of rectangle (1:54) Mark done	0
A.	Code Along Exercise : Unique list (2:26) Mark done	0
	Code Along Exercise : Get factors (2:18) Mark done	0
8. Vari	able Scope	
and the second	Local vs. Global Variables (1:03) Mark done	0
×	Practice Quiz : Intro to Lists, Loops, and Functions 5 pts Submit	0
9. Mod	dular Programming	
	Separating a program into functions (0:37) Mark done	0
	Program abstraction (0:45) Mark done	0
alii.	Execution order (0:44) Mark done	0
A.	The main function (0:49) Mark done	0
filit	Coding Demonstration : Vowel/word counter (9:55) Mark done	0
***	Quiz 4 - Functions and Modular Programming Dec 2 8 pts Submit	0
B	Coding Practice 2 : Number Properties 100 pts Submit	0

8/27/23, 5:05 PM

10. Assessment	
The pass Statement Mark done	0
11. Weekly Check In	
Module 2 Check - In	

▼ Mod	ule 3: More with Lists, Strings, Tuples, Sets, and PyCharm	Complete All Items
ii.	Running code (1:32) Mark done	0
fills	Module 3: More with Lists, Strings, Tuples, Sets, and PyCharm Mark done	0
1. Mo	dule Introduction & Resources	
fills	Module 3 Introduction (0:55) Mark done	0
fills	Module 3 Resources Mark done	0
3. Dat	a Structures: More About Lists	
fills	A review of lists (2:05) Mark done	0
filt	More list operations (0:41) Mark done	0
îli.	List functions (0:52) Mark done	0

	Assignment by value vs. assignment by reference (1:41) Mark done	\bigcirc
fili.	Copying a list (4:18) Mark done	0
	Creating a deep copy of a complex list (2:04) Mark done	0
All.	Call by value vs. call by reference (3:08) Mark done	0
fill.	Identity vs. equality (1:05) Mark done	0
Alli.	Code Along Exercise : Sneaky List (3:27) Mark done	0
fili.	Slicing lists (6:29) Mark done	0
4. Stri	ngs	
Alli.	Strings vs. lists (0:52) Mark done	0
	Slicing strings (1:12) Mark done	0
fill.	Code Along Exercise : Name Substring (1:36) Mark done	0
Alli.	Code Along Exercise : Alphabet Letters (1:14) Mark done	0
ÎII.	String functions Mark done	0
	Split and join (1:15) Mark done	0

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	Mark done	\bigcirc
	Sorting a list of tuples (2:42) Mark done	0
	Coding Demonstration : Write two sorting functions (9:18) Mark done	0
***	Quiz 6 - Tuples & Sets Dec 2 7 pts Submit	0
	Sorting Practice Mark done	0
B	Coding Practice 3 : Implement Functions Related to Strings, Lists, Sets, & Tuples 100 pts Submit	0
9. Deb	ougging in PyCharm	
	Coding Demonstration : Using the PyCharm Debugger (20:22)	
10. As	sessment	
**	Practice Quiz: Jupyter Notebook, IDLE, & PyCharm 5 pts Submit	0
11. We	eekly Check In	
	Module 3 Check - In	

Module 4 : Unit Testing & Test-Driven Development	
Mark done	

Sorting with a key function (4:21)

A good Test-Driven Development (TDD) strategy - typical examples vs. edge-

Code Along Exercise: String method testing (4:52)

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	Mark done	
	Coding Demonstration : List example function testing (16:48) Mark done	0
Till.	Coding Demonstration : Sentence counter function testing (6:53) Mark done	0
	Writing unit tests is mandatory (0:16) Mark done	0
**	Quiz 8 - Unit Testing in PyCharm Dec 2 5 pts Submit	0
3. We	ekly Check In	
Fills.	Module 4 Check - In	

▼ Mod	ule 5 : Dictionaries and Files	Complete All Items
	Module 5 : Dictionaries and Files Mark done	0
1. Mo	dule Introduction & Resources	
fili.	Module 5 Introduction (0:52) Mark done	0
fill.	Module 5 Resources Mark done	0
2. Dat	a Structures: Dictionaries	
fill.	Creating a dictionary (0:48) Mark done	0
	Key:value pairs (0:42) Mark done	0

cases (1:07)

	illi.	Updating a dictionary (0:49) Mark done	\circ
	ÎII.	Other ways to create a dictionary (4:31) Mark done	\bigcirc
		Code Along Exercise : Grade/attendance book (9:22) Mark done	\bigcirc
	illi	Copying dictionaries (5:13) Mark done	\bigcirc
	illi.	Coding Demonstration : Word count with unit testing (13:25) Mark done	\circ
	×	Quiz 9 : Dictionaries Dec 2 10 pts Submit	\bigcirc
3.	File	s	
	illi	Opening a file (0:55) Mark done	\circ
		Basics of file open method modes (1:16) Mark done	\bigcirc
	illi.	File streams (0:32) Mark done	0
	ĨII.	Reading a file (0:41) Mark done	0
		Newline characters (0:34) Mark done	0
	iii.	Writing to a file (0:17) Mark done	0
		Closing a file (0:48) Mark done	0

×	Practice Quiz : Python Dictionaries & Files 4 pts Submit	\bigcirc
Îllı.	Coding Demonstration : Open and read a file (3:36) Mark done	\circ
	Coding Demonstration : Open, read, and append to new file (3:02) Mark done	0
Allı.	Coding Demonstration : Open, read, and append to same file (3:08) Mark done	0
fills	Coding Demonstration : Open, read, and write to new file (2:56) Mark done	0
alli.	Coding Demonstration : Working with csv files (10:37)	
filt	Coding Demonstration : File to Dictionary (11:10) Mark done	0
M	Quiz 10 : File I/O Dec 2 7 pts Submit	0
fills	Intro to Coding Practice 4 (13:54) Mark done	0
	Coding Practice 4 : Online Banking System 100 pts Submit	0
4. Ass	sessment	
P	Homework 4: Make a Website Sep 25 100 pts Submit	0
5. Practice Python Exam		
	Raising a RuntimeError Mark done	0
₽	Banking Practice Exam: Python 100 pts Mark done	0

	Practice Midterm Exam: Login System 100 pts Mark done	0
Week	ly Check In	
Ĩ.	Module 5 Check - In	
gD.	Weekly Check in	

▼ Module 6: Object-Oriented Programming with Python / Exam 1		
1. Module Introduction & Resources		
Module 6: Object Oriented Programming with Python		
Module 6 Resources		
2. Python Objects & Classes		
Object-Oriented Programming (4:04)		
Coding Demonstration: Creating a class (4:55)		
© Coding Demonstration: Adding methods to a class (8:43)		
© Coding Demonstration: Adding special methods to a class (2:18)		
3. Subclasses		
© Coding Demonstration- Subclasses (3:20)		
Coding Demonstration- Overriding methods (4:24)		
The state of the s		

Coding Demonstration- Instance variables vs. class variables (2:16)

Code Along Exercise- Creating a Business subclass (8:52)

4. Coding Demonstrations

Coding Demonstration- Creating classes from a file (18:20)

Coding Demonstration- Unit testing with classes (15:51)

5. EXAM 1 : Python Exam

Exam 1 Instructions

Exam 1 : Python Exam

Oct 8 | 100 pts

6. Weekly Check-in

▼ Mod	ule 7: Intro to Java, Classes, & Eclipse	Complete All Items	
	Module 7: Intro to Java, Classes, & Eclipse Mark done		0
1. Mo	dule Introduction & Resources		
	Module 7 Introduction (0:49) Mark done		0
	Module 7 Resources Mark done		0
2. Intr	oduction to Java		

illi	Java vs. Python (1:03) Mark done	0
file	Java is compiled (0:47)	
illi.	Popularity of Java vs. Python (0:51) Mark done	0
ĪII.	A bit more Java background Mark done	\circ
3. Co	nfiguring Java & Tools	
Till.	Installing & running Java (0:34) Mark done	\circ
ĪII.	Downloading & installing the Java Development Kit (JDK) (0:10) Mark done	\circ
Film.	Installing & configuring Eclipse (0:54) Mark done	0
ĪII.	Installing & configuring Eclipse overview Mark done	\circ
ĪII.	Eclipse overview (0:39) Mark done	\circ
4. The	e Java Language	
ĪII.	Simple introductory program (0:50) Mark done	\circ
Till.	Some general rules for Java (1:18) Mark done	0
Alli.	Variables & data types (1:36) Mark done	0
fills	Declaring variables (0:49) Mark done	0

23, 5:05 PM	Course Modules: CIT 5910 - Fall 2023	
illi	Strings vs. chars (0:59) Mark done	0
	Printing (0:26) Mark done	С
	'while' loops (0:24) Mark done	C
Till.	'for' loops (0:39) Mark done	C
	Getting input (0:41) Mark done	C
	Java comments & Javadocs (1:21) Mark done	C
	Math operators Mark done	C
Tilli.	Casting Mark done	
	'char' operations Mark done	C
Tilli.	Coding Demonstration : Creating my first java project (0:57) Mark done	C
	Coding Demonstration : Creating my first class & using the main method (1:42) Mark done	
	Coding Demonstration : Defining variables (1:53) Mark done	
	Coding Demonstration : Strings and characters (2:04) Mark done	C
Îli.	Coding Demonstration : Math operations (3:16) Mark done	C
	Coding Demonstration : String operations (1:53)	

	Mark done	\circ
	Coding Demonstration : Conditionals and loops (7:57) Mark done	0
ii.	Coding Demonstration : Casting (7:20) Mark done	0
	Coding Demonstration : User input (6:08) Mark done	0
T.	Coding Demonstration : Adding Javadocs (1:12) Mark done	0
	Coding Practice 9a: "Hello World" Java 100 pts Submit	0
×	Quiz 13 - Intro to Java & The Java Language Dec 2 10 pts Submit	0
5. Cla	sses	
iii.	Java is class based (0:42) Mark done	\circ
fills	Defining a class (0:32) Mark done	0
filti	Defining fields in a class (0:38) Mark done	0
iii.	Defining a constructor for a class (0:32) Mark done	0
filit	Defining a method in a class (0:53) Mark done	0
filit	Creating an instance of a class (0:30) Mark done	0
	Coding Demonstration : Banking project (33:26) Mark done	0

▼ Mod	ule 8: Unit Testing, Arrays, & ArrayLists	Complete All Items
	Module 8: Unit Testing, Arrays, & ArrayLists Mark done	(
1. Mo	dule Introduction & Resources	
illi	Module 8 Introduction (0:50) Mark done	(
allii.	Module 8 Resources Mark done	(
2. Un i	t Testing	
	Why unit test? (0:33) Mark done	(
illi.	Disadvantages & advantages (0:42) Mark done	(
	JUnit (0:28) Mark done	(
	Terminology (0:32)	(

100 pts | Submit

ili.	Assert methods (1:26) Mark done	\circ
	Coding Demonstration : Counter project (15:01) Mark done	0
3. Abo	out Equality	
illi.	Testing for equality (1:23) Mark done	\circ
All	Implementing the equals method (0:36) Mark done	0
	Coding Demonstration : Comparing people (8:36) Mark done	0
All	More assert methods Mark done	0
All	Assert methods with floating point types (0:48) Mark done	0
Till.	Even more assert methods Mark done	0
Till.	Coding Demonstration : Banking project with unit testing (23:30) Mark done	0
**	Quiz 15 - Unit Testing Dec 2 5 pts Submit	0
	Coding Practice 10 : Custom String 100 pts Submit	0
4. Arrays		
[ill.]	Declaring & initializing arrays (3:10) Mark done	0
Îlli.	Initializing arrays in one line (0:40) Mark done	0

Fili.	The length of an array (0:34) Mark done	0
	Stepping through an array using a for loop or enhanced for loop (1:05) Mark done	0
	Default values for primitives, Objects, & arrays (2:05) Mark done	0
fii.	Copying arrays (1:53) Mark done	0
fii.	Nested arrays (1:21) Mark done	0
	Accessing values in nested arrays (0:37) Mark done	0
	Array methods Mark done	0
5. Col	lections: ArrayLists	
	About the Collections Framework (0:45) Mark done	0
	Creating an ArrayList (0:39) Mark done	0
	The size of an ArrayList (0:34) Mark done	0
	ArrayList methods Mark done	0
6. Abo	6. About toString	
	Printing primitives vs. Objects (0:37) Mark done	0
fil.	Implementing the toString method (3:29) Mark done	0

	Coding Demonstration : Classroom project (27:03) Mark done	\circ
×	Quiz 16 - Arrays & ArrayLists Dec 2 9 pts Submit	0
	Coding Practice 11 : Arrays & ArrayLists 100 pts Submit	0
7. Ass	sessment	
P	Homework 6: Movie Trivia Oct 30 100 pts Submit	0
8. Weekly Check In		
P	Module 8 Check in	

Module 9: Static Variables, Methods, & Polymorphism Using Overloading Complete All Items			
	Module 9: Static Variables, Methods, & Polymorphism Using Overloading Mark done	0	
1. Mo	dule Introduction & Resources		
	Module 9 Introduction (1:24) Mark done	0	
	Module 9 Resources Mark done	0	
2. Sta	2. Static Variables		
	Instance variables vs. static variables (1:05) Mark done	0	
alli.	Creating static variables (0:39)	0	

Mark done Referencing static variables (0:37) Mark done Using static variables for hard-coded values (1:11) 3. Static Methods About static methods (0:36) Mark done Static helper methods (0:23) Mark done About Java's main method (0:25) Mark done Using the String[] args in the main method Mark done When to use a static method (0:36) Mark done 4. More Examples of Static Variables & Methods Other use cases for static (1:15) Mark done Other rules for static (0:25) Coding Demonstration: Customer tracking project (24:56) Quiz 17 - Static Variables & Methods Dec 2 | 7 pts | Submit 5. Polymorphism - Overloading

Course Modules: CIT 5910 - Fall 2023

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8/27/23, 5:05 PM

▼ Module 10: Inheritance, Polymorphism Using Overriding, & Access Modifiers

Complete All Items

8/27/23, 5:05 PM Course Modules: CIT 5910 - Fall 2023

Îli.	Module 10: Inheritance, Polymorphism Using Overriding, & Access Modifiers Mark done	\circ
1. Mo	dule Introduction & Resources	
dilli.	Module 10 Introduction (0:57) Mark done	\circ
alii.	Module 10 Resources Mark done	\bigcirc
2. Inh	eritance	
allin	Superclasses and subclasses (1:22) Mark done	\circ
3. Pol	ymorphism – Overriding	
allin	A review of method signatures (0:54) Mark done	\circ
allin	How to override a method (1:38) Mark done	\bigcirc
	Why override a method? (0:44) Mark done	0
illi.	Overriding toString (1:50) Mark done	0
Aili.	A review of overriding equals (1:56) Mark done	0
Till.	Overriding equals for JUnit tests (7:33) Mark done	0
	How to require @Override in Eclipse Mark done	0
4. Cor	nstructors & Calling Overriden Methods	
	Overriding constructors (1:11)	

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Module 9 Check in

8/2	7/23, 5:05 PM	M	Course Modules: CIT 5910 - Fall 2023	
		Mark done		\bigcirc
		Homework 7: Battleship Nov 13 100 pts Submit		\bigcirc
		A Bit More About Battleship Mark done		\bigcirc
	7. We	ekly Check In		
	GD.	Module 10 Check in		

▼ Mod	ule 11: Abstract Classes, Interfaces, & Debugging	Complete All Items	
	Module 10: Abstract Classes, Interfaces, & Debugging Mark done		\bigcirc
1. Mo	dule Introduction & Resources		
ilii.	Module 11 Introduction (0:59) Mark done		\circ
	Module 11 Resources Mark done		0
2. Ab	stract Classes		
	Abstract methods (0:25) Mark done		0
	Declaring abstract classes (0:23) Mark done		0
	Extending abstract classes (0:35) Mark done		0
Til.	Combining abstract & non-abstract methods (0:47) Mark done		0

		Why have abstract classes? (0:33) Mark done	\circ
		Common syntax errors with subclasses (1:31) Mark done	\circ
		Possible solutions to the syntax problem (0:41) Mark done	\circ
		Solution to syntax problem using abstract class (0:37) Mark done	\circ
		Code Along : Pet project (32:12) Mark done	0
		Coding Practice 14 : Shapes 100 pts Submit	\circ
3.	Inte	rfaces	
		Intro to interfaces (0:37) Mark done	\circ
		Common Java interfaces (0:38) Mark done	\circ
		Designing your own interfaces (0:27) Mark done	0
		Implementing an interface (0:39) Mark done	0
		Partially implementing an interface (0:31) Mark done	0
		So what are interfaces really for? (0:53) Mark done	0
		How to use an interface (0:56) Mark done	0

alli.	Coding Demonstration : Shape interface project (38:20) Mark done	\circ
×	Quiz 21 - Abstract Classes & Interfaces Dec 2 7 pts Submit	0
4. Del	pugging	
	What is debugging? (0:23) Mark done	0
	Debugging support in Eclipse (0:23) Mark done	0
îll.	Setting breakpoints Mark done	0
ÎII.	Starting the debugger Mark done	0
illi	Controlling program execution Mark done	0
illi	Evaluating variables in the debugger Mark done	0
illi	Returning to the Java perspective Mark done	0
	Coding Demonstration : IntelliJ debugger (37:34)	
5. Der	nonstrations	
Till.	Coding Demonstration : Debugging Person class - IndexOutOfBoundsException, & NullPointerException (11:45) Mark done	0
	Coding Demonstration : Debugging syllable counter - Using Step Into, Step Over, & Step Return (45:56) Mark done	0
	Debugging battleship	

		For reference: Opening & reading a file, using Files Mark done	\bigcirc
	iii.	File writing, using FileWriter & PrintWriter (1:00) Mark done	0
	iii.	File writing, using FileWriter & BufferedWriter (0:58) Mark done	0
		For reference: File writing, using Files Mark done	0
		File types (0:36) Mark done	0
	×	Quiz 23 - File I/O Dec 2 8 pts Submit	0
3.	Exc	eptions	
	ill.	Errors vs. exceptions (0:22) Mark done	\circ
		What to do about errors & exceptions (0:23) Mark done	\bigcirc
		Dealing with exceptions (0:28) Mark done	0
		The problem with handling files (0:32) Mark done	\bigcirc
		Three ways to deal with errors (0:40) Mark done	0
		The try-catch statement (0:33) Mark done	0
	iii.	'finally' (0:43) Mark done	0

Mark done

1. Module Introduction & Resources

Module 13: Collections, Maps, & Regular Expressions

[ill.	Two ways to deal with exceptions (1:29) Mark done	\circ		
Alli.	Errors & exceptions are Objects (0:32) Mark done	0		
Film.	The exception hierarchy (0:35) Mark done	0		
Film.	Different kinds of built-in exceptions Mark done	0		
A	Different kinds of built-in errors Mark done	0		
4. Der	monstrations (File I/O Examples)			
fill	Using Scanner, & FileNotFoundException (13:00) Mark done	0		
Till.	Using FileReader & BufferedReader, & FileNotFoundException, IOException (19:18) Mark done	0		
	Using FileWriter & PrintWriter, & IOException (7:50) Mark done	0		
**	Quiz 24 - More with File I/O & Exceptions Dec 2 7 pts Submit	0		
	Coding Practice 15 : Information Parser 100 pts Submit	0		
5. We	5. Weekly Check In			
ĠD.	Module 12 Check in			

	Module 13 Introduction (1:04) Mark done	0
ÎII.	Module 13 Resources Mark done	0
2. Col	lections & Maps	
	About the Collections Framework-2 (0:55) Mark done	0
alii.	Types of collections & "collection-like" things (maps) (0:43) Mark done	0
alli.	Hierarchy of collections (0:58) Mark done	\circ
alli.	Hierarchy of "collection-like" things (maps) (0:30) Mark done	\circ
	Methods in the collection interface (0:56) Mark done	0
ill.	Implementations (0:34) Mark done	0
ill.	List interface (0:45) Mark done	0
illi.	Deque interface (0:51) Mark done	0
	Set interface (0:15) Mark done	0
Îli.	Map interface (0:33) Mark done	0

Complete All Items

Coding Demonstration: Set food toppings using a HashMap (6:24)

īlli.	Coding Demonstration : Create friends network using a TreeMap of TreeSets (16:39) Mark done	0
illi	Coding Demonstration : Union sets using a HashSet of TreeSets (9:55) Mark done	0
4. Reg	gular Expressions	
ÎII.	What is a regular expression? (0:30) Mark done	0
5. Mo	re Demonstrations	
ÎIII.	Coding Demonstration : Split a String using str.split() (15:45) Mark done	0
	Coding Demonstration : Replace all with a pattern using str.replaceAll() (3:51) Mark done	0
TIII.	Coding Demonstration : Get parts of a phone number using groups and character classes (15:26) Mark done	0
ÎII.	Coding Demonstration : Replace an area code using str.replaceFirst() (4:17) Mark done	0
	Coding Demonstration : Format a phone number using grouping (7:45) Mark done	0
fills	Coding Demonstration : Starts or ends with a number (7:12) Mark done	0
fill.	Coding Demonstration : Get parts of an email address using grouping and character classes (11:43) Mark done	0
TIII.	Coding Demonstration : Split String into sentences and extract quote using str.split() (7:36) Mark done	0

Mark done



·	Optional Module: Connecting to Databases & Version Control Using Git Complete All Items				
	Optional Module: Connecting to Databases & Version Control Using Git Marked done	~			
1. Mo	1. Module Introduction & Resources				
	Optional Module: Introduction (1:16) Marked done	~			

fill.	Reading: Optional Module Resources Marked done	~		
2. Co	nnecting to Databases			
	What is SQL? (0:16) Mark done	0		
	What is a database? (0:20) Mark done	\circ		
	Relational databases (0:35) Mark done	0		
	A database is sort of like Excel (0:30) Mark done	0		
	How do I open a database? (0:30) Mark done	0		
3. JD	3. JDBC (Java Database Connectivity)			
	Accessing relational databases from Java (0:22) Mark done	0		
	JDBC Driver (1:08) Mark done	0		
4. Co	ding Demonstrations : Feedback database project			
Til.	Setting up MySQL server & creating database (0:21) Mark done	0		
Aii.	Opening & closing a connection to the database (16:36) Mark done	0		
Alii.	Reading from the database (13:17) Mark done	0		
Alii.	Reading from the Database - Video note Mark done	0		

Module 13 Check in

	Writing to the database (26:23) Mark done	0		
ÎII.	Filtering data in the database (10:55) Mark done	\circ		
li.	For reference: Setting up a MySQL Database Mark done	0		
ii.	For reference: MySQL Workbench Mark done	0		
**	Quiz 27 - Connecting to Databases 7 pts Submit	0		
5. Ver	sion Control & Git			
fills	REQUIREMENTS AROUND USAGE OF VERSION CONROL & GIT IN THIS COURSE Mark done	0		
ÎIII.	Version control systems (0:53) Mark done	\circ		
fili.	Why version control? (0:32) Mark done	0		
ÎII.	Why git? (0:42) Mark done	0		
fili.	Learning git (0:29) Mark done	0		
6. Setting Up & Configuring GitHub				
fill	Setting up a GitHub account (0:50) Mark done	0		
	Creating a Repository (3:31) Mark done	0		

7. Setting Up & Configuring Eclipse			
il.	Git support for Eclipse (0:18) Mark done	0	
alu.	Installation of git support in Eclipse (0:22) Mark done	0	
8. Collaborating on a Project			
Îli.	Setting up a Personal Access Token (PAT) Mark done	0	
Alli.	Adding an Eclipse Project to Git (17:36) Mark done	0	
	Setting up & configuring a collaborator (11:58) Mark done	0	
	Pulling & merging changes (2:56) Mark done	0	
ii.	Branching (5:43) Mark done	0	
fili.	Pulling & merging branches (5:55) Mark done	0	
A.	Where to go from here Mark done	0	
***	Quiz 28 - Version Control/Git 8 pts Submit	0	

1. Module Introduction & Resources			
fills	Optional Module: Introduction (0:54) Mark done	0	
Th.	Optional Module Resources Mark done	0	
2. Data Analysis: Loading, Inspecting, & Querying Data			
Allı.	The pandas module (0:44) Mark done	0	
illi	Loading data (1:42) Mark done	0	
Th.	Inspecting data (1:24) Mark done	0	
Th.	Querying data (0:48) Mark done	0	
fills	Casting data Mark done	\bigcirc	
fills	Cleaning data & dealing with missing values Mark done	\bigcirc	
₽	Coding Practice 5: Load, Inspect, & Query Movie & Ratings Data 100 pts Submit	0	
3. Dat	3. Data Analysis: Joining & Filtering Data		
fills	Joining data (1:00) Mark done	0	
fills	Code Along Exercise : Join data (6:40) Mark done	0	
ill.	Slicing rows (2:22) Mark done	\circ	

ii.	Querying data using boolean indexing (6:21) Mark done	\circ
fill	Code Along Exercise : Dive bar recommendation in Las Vegas (4:46) Mark done	0
all.	Computations - sum() (1:11) Mark done	\circ
alli.	Computations - mean() (0:47) Mark done	\circ
alli.	Other methods (0:27) Mark done	\circ
alli.	Updating & creating data (0:43) Mark done	\circ
alli.	Code Along Exercise : Add rating column (1:56) Mark done	\circ
M	Quiz 11 - Loading, Querying, Joining, & Filtering Data 10 pts Submit	\circ
	Coding Practice 6: Join & Filter Movie & Ratings Data 100 pts Submit	\circ
4. Data Analysis: Summarizing data		
alli.	Summarizing groups (0:52) Mark done	\circ
Î.	The numpy library (0:49) Mark done	0
fill	Pivot tables (0:29) Mark done	0
Fills.	Using an index (0:41) Mark done	0

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	Code Along Exercise : Average review count and rating (2:18) Mark done	\circ
	Aggregate functions (2:08) Mark done	0
	Coding Practice 7: Summarize Movie & Ratings Data 100 pts Submit	0
5. Dat	a Analysis: Visualizing Data	
fills	Jupyter notebook magic functions (0:21) Mark done	0
fills	The matplotlib library (0:28) Mark done	0
ili.	Histograms (0:36) Mark done	0
film.	Histograms Coding Demonstration : To show distribution of data (0:29) Mark done	0
ili.	Histograms Coding Demonstration : Preparing data (1:41) Mark done	0
ĨII.	Histograms Coding Demonstration : Setting options for PyPlot (1:29) Mark done	\circ
fills	Histograms Coding Demonstration : Displaying the visualization (3:43) Mark done	0
fill	Scatterplots (0:34) Mark done	0
	Scatterplots Coding Demonstration : To compare data points on different dimensions (0:13) Mark done	0
ili.	Scatterplots Coding Demonstration : Preparing data (1:17) Mark done	0

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alli.	Scatterplots Coding Demonstration : Setting options for PyPlot (2:46) Mark done	\circ
filli	Scatterplots Coding Demonstration : Displaying the visualization (1:33) Mark done	0
filli	Bar charts and plotting pivot tables Mark done	\circ
alli.	For reference: Seaborn Mark done	\circ
×	Practice Quiz - Summarizing & Visualizing Data 11 pts Submit	\circ
B	Coding Practice 8: Visualize Movie & Ratings Data 100 pts Submit	\circ
6. Ass	sessment	
₽	Optional Homework: Analyze Celebrity Deaths 100 pts Submit	0