Python Programming from Zero to Mastery - Course Outline  Level 1 - Basics				
ntroductio	on and Getting started with Python			
	eduction and Setup			
Class - 1	What is a programming language ? & How it works?			
21033 1	Difference between Interpreter and compiler			
	History of python.			
	Difference between Python 2 vs Python 3			
	How does actually python works?			
	Online Python Interpreters			
	Installing Everything on our machine (Optional)			
	Say Hello to the world. :)			
	HomeWork That's not cool! I know :)			
Class - 2	What are data types in python programming ??			
	Comments and Printing			
	Working with Arithmetics in python & Math functions in Python			
	Operator Precedence			
	Binary and complex numbers			
	Exercises in class			
	Homework Assignments.			
Class 3	Variables			
	Expressions and Statements			
	Assignment Operator			
	Working with strings			
	Strings Concatenation			
	String Operations			
	Type Conversions and Escape sequences			
	Built in Functions and Methods for strings in python, (string formatting)			
	Strings Indexes and the concept of Immutability			
	Exercises in class and Homework			
Neek 2: Pytl	non Basics cont.			
Class 4	Booleans			
	Type Conversions			

	Our first program to check user's password !!!!!!	
	Lists, List Slicing and Matrix	
	List Methods and patterns	
	List Unpacking	
	Exercises in class and Homework	2
Class 5	What is None?	1
	Dictionaries and key/value pairs	
	Dictionary Methods	
	Tuples and Sets	
	Tuples and Sets Methods	
	Cool Exercises	
	Homework	2
Class 6	Conditional Logic in Python. (Breaking the flow)	1
	Indentation in Python	
	Truthy vs false statements	
	Ternary Operator, Short Circuiting and Logical Operators	
	"is" and " == "	
	Exercises and Homework	2
Week 3: Pyt	hon Basics cont.	
Class 7	For Loops and Iterables	1
	Let's make a tricky counter <	
	range() and enumerate()	
	Exercises	
	While Loops	
	break, continue, pass	
	standard input and output (GUI in Console)	
	Exercises and Homework	2
Class 8	Functions	1
	Parameters and Arguments	
	Default Parameters and Keyword Arguments	

	What is "return"?	
	Methods vs Functions	
	Exercises and Homework	2
Class 9	Docstrings	1
	*args and **kwargs	
	Walrus Operator	
	Scope and scope rules	
	global and nonlocal Keyword	
	Writing Clean Code	
	Exercises and Homework	2
Class 10	Python Installation on Windows/Mac or Linux	1
	Python Developer Tools	
	Sublime Text or Atom	
	Basic Terminal Commands	
	Using the Command Line/Terminal	
	Visual Studio Code	
	PyCharm	
	Code Formatting - PEP 8	
	Creating Virtual Environments	
	Jupyter Notebooks	
	Homework	2
Exam - Proj	ect for Level 1	6
	ic problems of Katu 5.	