THERAPY

Python programming for remote sensing and satellite image analysis (tentative schedule)

Day 1	
9am	Introduction to python: about python, conventions, anatomy of a python program 
10am	Basic data types: variables, numbers, and strings  
11am	Functions: definition, arguments, and scope  
12am	Advanced containers: lists, tuples, sets, and dictionaries  
1pm	BREAK
2.30pm	Boolean logic: truthines, comparisons, and, or, not  
3.30pm	Loops and control statements: if, else, elif, while, break, continue, return  
4.30	END
Day 2	
9am	Working with python programs: create, save, execute, deploy  
10am	Working with files: input, output, read, and write  
11am	Working with libraries  
12am	Mini project 
1pm	BREAK
2.30	Mini project 
4.30	END
Day 3	
9am	Basic image analysis: digit classification with

THERAPY

	MNIST data </>
1pm	BREAK
2.30pm	Basic image analysis: digit classification with MNIST data </>
4.30pm	END
Day 4	
9am	Forest change detection with deep neural networks </>
1pm	BREAK
2.30pm	Forest change detection with deep neural networks </>
Day 5	
9am	Burnt scar detection with deep neural networks </>
1pm	BREAK
2.30pm	Burnt scar detection with deep neural networks </>
4.30	END

*** Lecture coding </>