

## PYTHON IMMERSIVE (WEEKEND VIRSION)

	Study Plan
<b>Day 1 10.00am – 6.00pm</b>	<ul style="list-style-type: none"> <li>• Variables</li> <li>• Built-in data types: strings, integers, floats, lists</li> <li>• Introduction to built-in functions</li> <li>• Control flow statements</li> <li>• If, Elif, Else statements</li> <li>• Definite loops: For loops</li> <li>• Practical exercises</li> </ul>
<b>Day 2 10.00am – 6.00pm</b>	<ul style="list-style-type: none"> <li>• How to write custom Python functions</li> <li>• Built-In data types: tuples, dictionaries</li> <li>• Indefinite loops: While loops</li> <li>• Indexing and slicing</li> <li>• Reading data from CSV and TXT Files</li> <li>• Writing to CSV and TXT Files</li> <li>• Analyzing a file's content</li> <li>• Practical exercises</li> </ul>
<b>Day 3 10.00am – 6.00pm</b>	<ul style="list-style-type: none"> <li>• Big-O notation</li> <li>• Data structures</li> <li>• Binary search</li> <li>• Bubble Sort</li> <li>• Insertion sort</li> <li>• Selection sort</li> <li>• Merge sort</li> <li>• Practical Exercises</li> </ul>
<b>Day 4 10.00am – 6.00pm</b>	<ul style="list-style-type: none"> <li>• Introduction to Object Oriented Programming</li> <li>• How to create Classes and Objects</li> <li>• Review and Q&amp;A</li> <li>• Working on a project</li> <li>• Git and GitHub</li> </ul>