

Number	Topic	Description
1	Python	Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.
2	Why Python?	<ul style="list-style-type: none"> • Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc). • Python has a simple syntax similar to the English language. • Python has syntax that allows developers to write programs with fewer lines than some other programming languages. • Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick. • Python can be treated in a procedural way, an object-oriented way or a functional way.
3	What can Python do?	<ul style="list-style-type: none"> • Python can be used on a server to create web applications. • Python can be used alongside software to create workflows. • Python can connect to database systems. It can also read and modify files. • Python can be used to handle big data and perform complex mathematics. • Python can be used for rapid prototyping, or for production-ready software development.
4	Used for?	<ul style="list-style-type: none"> • Web development (server-side), • Software development, • Mathematics, • System scripting.
5	Python Indentation	<p>Indentation refers to the spaces at the beginning of a code line.</p> <p>Where in other programming languages the indentation in code is for readability only, the indentation in Python is very important.</p> <p>Python uses indentation to indicate a block of code.</p>
6	Minimum Number of Space to be left In indentation	<p>Most common is 4 but atleast one</p> <p>You have to use the same number of spaces in the same block of code, otherwise Python will give you an error:</p>
7	Python Comments	<p># - Single Line Comment</p> <p>Python does not really have a syntax for multiline comments.</p> <p>Comments can be placed at the end of a line, and Python will ignore the rest of the line.</p> <p>Since Python will ignore string literals that are not assigned to a variable, you can add a multiline string (triple quotes) in your code, and place your comment inside it:</p>

8	Python Variables	<p>Variables are containers for storing data values.</p> <p>Python has no command for declaring a variable .A variable is created the moment you first assign a value to it.</p> <p>Variables do not need to be declared with any particular <i>type</i>, and can even change type after they have been set.</p>
9	Camel Case	<p>Each word, except the first, starts with a capital letter:</p> <p>Eg:myVariableName</p>
10	Pascal Case	<p>Each word starts with a capital letter.</p> <p>Eg:MyVariableName</p>
11	Snake Case	<p>Each word is separated by an underscore character.</p> <p>Eg: my_variable_name</p>