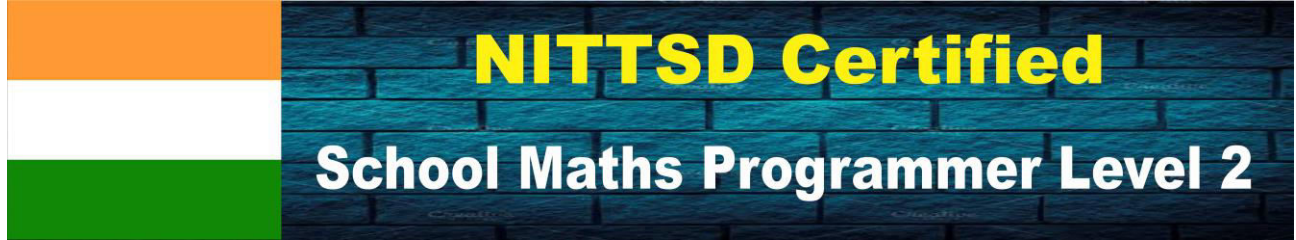




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## **Module 1 - Python Programming Basic Revision**

- Script Programming
- Python Identifiers
- Python Keywords
- Python Lines and Indentation
- Python Multi-Line Statements
- Quotation in Python
- Comments in Python



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- Using Blank Lines
- Multiple Statements on a Single Line
- Variables and Data Types in Python
- Multiple Assignment in Python Programming

## **Module 2 - Python Data Types**

- Standard Data Types in Python
- Data Type Conversion in Python
- Python Input and Output
- Types of Different Operators in Python
- Changing the Order of Evaluation

## **Module 3 - Conditional statements in Python Programming**

- if statements
- if...else statements
- The elif Statement
- Nested if statements



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### **Module 4 - LOOPS in Python Programming**

- While loop
- The Infinite Loop
- Using else Statement with Loops
- For loop
- Break , Continue , Pass

### **Module 5 - Tuples in Python Programming**

- Python Tuples
- Accessing Values in Tuples
- Updating Tuples
- Delete Tuple Elements
- Basic Tuples Operations
- Indexing, Slicing, and Matrixes
- No Enclosing Delimiters
- Built-in Tuple Functions

### **Module 6 - Functions in Python Programming**

- Calling a Function
- Pass by reference Vs. value



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- Function Arguments
- Required arguments
- Keyword arguments
- Default arguments
- Variable-length arguments

## **Module 7 - Functions & other related concepts**

- The Anonymous Functions
- The return Statement
- Scope of Variables
- Global vs. Local variables
- The global statement



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<b><u>Live Projects</u> :</b>	
<b>School Mathematics &amp; Programming Level -2</b>	
<b>1</b>	Find Out GCD or HCF of 2 Numbers
<b>2</b>	Find Out LCM of 2 Numbers
<b>3</b>	Email Id Slicer
<b>4</b>	Exam Result Analyzer
<b>5</b>	Count Down Timer Application
<b>6</b>	Dice Rolling Game Design
<b>7</b>	Home Grocery Calculator Design