



# 98 TH PERCENTILE

GIFTED THROUGH HARDWORK

| Module                 | Class      | Topic   | Topics Covered  |
|------------------------|------------|---|---|
| Demo Class             | Demo Class | Python program to create a calculator                                 | Python program to create a calculator   |
| Fundamentals of Python | Class 1    | Introduction to python and Fundamentals: Input, output and variables. | Program input and output<br>Syntax errors<br>Variable creation and usage          |
|                        | Class 2    | Variable creation and usage   | Variable creation and usage   |
|                        | Class 3    | Fundamentals: Decision and looping constructs (If ... Else)           | Fundamentals: Decision and looping  |
|                        | Class 4    | Fundamentals: Functions   | Fundamentals: Functions   |
|                        | Class 5    | Fundamentals: Loops ( while and for )                                 | Understanding flowcharts and their use in program design                          |
| Data Types             | Class 6    | Data types  | Data types  |
|                        | Class 7    | Python Numbers  | Python Numbers  |
|                        | Class 8    | Python Casting and Strings  | Python Casting and Strings  |
|                        | Class 9    | Python Boolean  | Python Boolean  |
|                        | Class 10   | Python Lists  | Python Lists  |
|                        | Class 11   | Python tuples   | Python tuples   |
|                        | Class 12   | Python Sets   | Python Sets   |
| Python Essentials      | Class 13   | Python Classes and Objects  | Python Classes and Objects  |
|                        | Class 14   | Python Inheritance  | Python Inheritance  |
| Cipher Project         | Class 15   | Caesar Cipher.  | Creating an encryption decryption application using Python basics learnt till now |
|                        | Class 16   | Caesar Cipher.  | Creating an encryption decryption application using Python basics learnt till now |
|                        | Class 17   | Caesar Cipher.  | Creating an encryption decryption application using Python basics learnt till now |

|               |          |                           |   |
|---------------|----------|---------------------------|---|
|               | Class 18 | Caesar Cipher.            | Creating an encryption decryption application using Python basics learnt till now |
| Hangman Game  | Class 19 | Hangman game.             | Rules of the game.  |
|               | Class 20 | Hangman game.             | Rules of the game.  |
|               | Class 21 | Hangman game.             | Creating and discussing the outline of Hangman game.                              |
|               | Class 22 | Hangman game.             | Creating and discussing the outline of Hangman game.                              |
|               | Class 23 | Hangman game.             | Implementing the complete game  |
| Show And Tell | Class 24 | Show and tell with Parent | Show and tell   |