

## Life Changing Course in Python Programming with Hands on for Kids (Level - 2)

- **Course Name:** Python Programming for Kids
- **Level:** 2
- **Course Code:** J2
- **Instructor:** Chaitanya Patil ([Instructor Profile](#))
- **Frequency:** 2 Sessions per week. 1 Session = 75 minutes. 3 to 4 days gap between two sessions.
- **Fees:** 199 US\$ (Get Discount for Referrals and Group Joining)
- **Duration:** 30 Hours Approx. (13 Weeks Approx.)
- **Note:** First Session is completely FREE and open to all. Make Full Payment only after 1<sup>st</sup> FREE session and if interested to continue.
- Reach us for more details.
- **Note:** Reach us for Advanced Python Programming, Python for Data Science, Vedic Speed Mathematics (FREE) and all other IT Courses.
- **More Info:** [www.Speed16.com/training](http://www.Speed16.com/training)
- **Contact:** [info@speed16.com](mailto:info@speed16.com) OR +91-97640-58-654 OR Direct Whatsapp (<https://wa.me/919764058654/?text=Hi>) OR Direct Telegram (<https://t.me/CP512>)

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- 🚀 Contact: Chaitanya Patil [info@speed16.com](mailto:info@speed16.com) +91-97640-58-654 [Direct Whatsapp](#)

## What you need to do before attending First Class?

1. Refresh Basic Python Programming Concepts of Level 1.
2. Download and Install Anaconda Distribution. Refer below Installation Guide.  
Link: [https://speed16.com/files/training/guides/Anaconda\\_Installation\\_Guide.pdf](https://speed16.com/files/training/guides/Anaconda_Installation_Guide.pdf)  
(Anaconda Distribution automatically installs Python, Jupyter Notebook and many other Data Science Modules).
3. Reach me if you face any difficulties {+91-97640-58-654; Direct WhatsApp (<https://wa.me/919764058654/?text=Hi>); Email: [info@speed16.com](mailto:info@speed16.com)}

**Note:** We are writing Python programs in Jupyter Notebook.

## Syllabus in Brief:

Unit	Units	Class Number
1	Introduction & Revision	1
2	Functions	2 & 3
3	Date/Time	4
4	Modules & Packages	5
5	File Handling	6, 7 & 8
6	Object Oriented Programming	9, 10 & 11
7	Exception Handling	12, 13 & 14
8	Database Connectivity	15, 16 & 17
9	TKinter	18, 19 & 20
10	Projects	21, 22, 23 & 24
24 Sessions * 1.25 Hrs. = 30 Hours Approx.		

## Syllabus in Detail:

**Note:** After each session, Learners need to complete assignments before attending next session. Assignments are given at the end of each unit. Learners need to send assignments of each unit on [chaitanya.1600@gmail.com](mailto:chaitanya.1600@gmail.com) (for each unit send one ipynb file which consists of all assignments of that particular unit).

<b>Unit 1: Introduction &amp; Revision</b>	
1	Introduction to Python
2	Revision of Operators, Decision Making, Loops and Data Types
<b>Assignments (Write Programs with Comments)</b>	
A1	Programs on Decision Making & Loops
A2	Programs on Data Types

<b>Unit 2: Functions</b>	
1	Function Basics (definition, advantages, exec)
2	Defining and Calling a function
3	Return Statements
4	Scope of Variables: Local; Global; nonlocal; Global keyword
5	Recursion
6	Comments and Docstring*
<b>Assignments (Write Programs using functions with Comments)</b>	
A1	Write a function to find the maximum and minimum of three numbers.
A2	Write a function to reverse an entered string
A3	Write a function that checks whether a passed string is palindrome or not.
A4	Write a program to execute a string containing Python code.
A5	Write a function to print the even numbers from a given list.
A6	Write a Python function to check whether a number is perfect or not. The first perfect number is 6, because 1, 2, and 3 are its proper positive divisors, and $1 + 2 + 3 = 6$ . Equivalently, the number 6 is equal to half the sum of all its positive divisors: $(1 + 2 + 3 + 6) / 2 = 6$ . The next perfect number is $28 = 1 + 2 + 4 + 7 + 14$ . This is followed by the perfect numbers 496 and 8128.
A7	Write a function to check the given number is prime or not.
A8	Write a function to find factorial of a number using recursion.
A9	Calculator program using functions.
A10	Write a function to calculate area and circumference of a circle.

All registered members are going to get complete syllabus through email.

**Contact:**

Chaitanya Patil

Mobile: +91-97640-58-654

Direct WhatsApp: <https://wa.me/919764058654/?text=Hi>

Direct Telegram (<https://t.me/CP512>)

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