Class 1: Introduction

Introduction to Python Programming - Intro2Py

Prasanta Dutta

About this course

Schedule of next class – 1. Thu 11AM – 12 PM 2. Any day after 5:30 PM
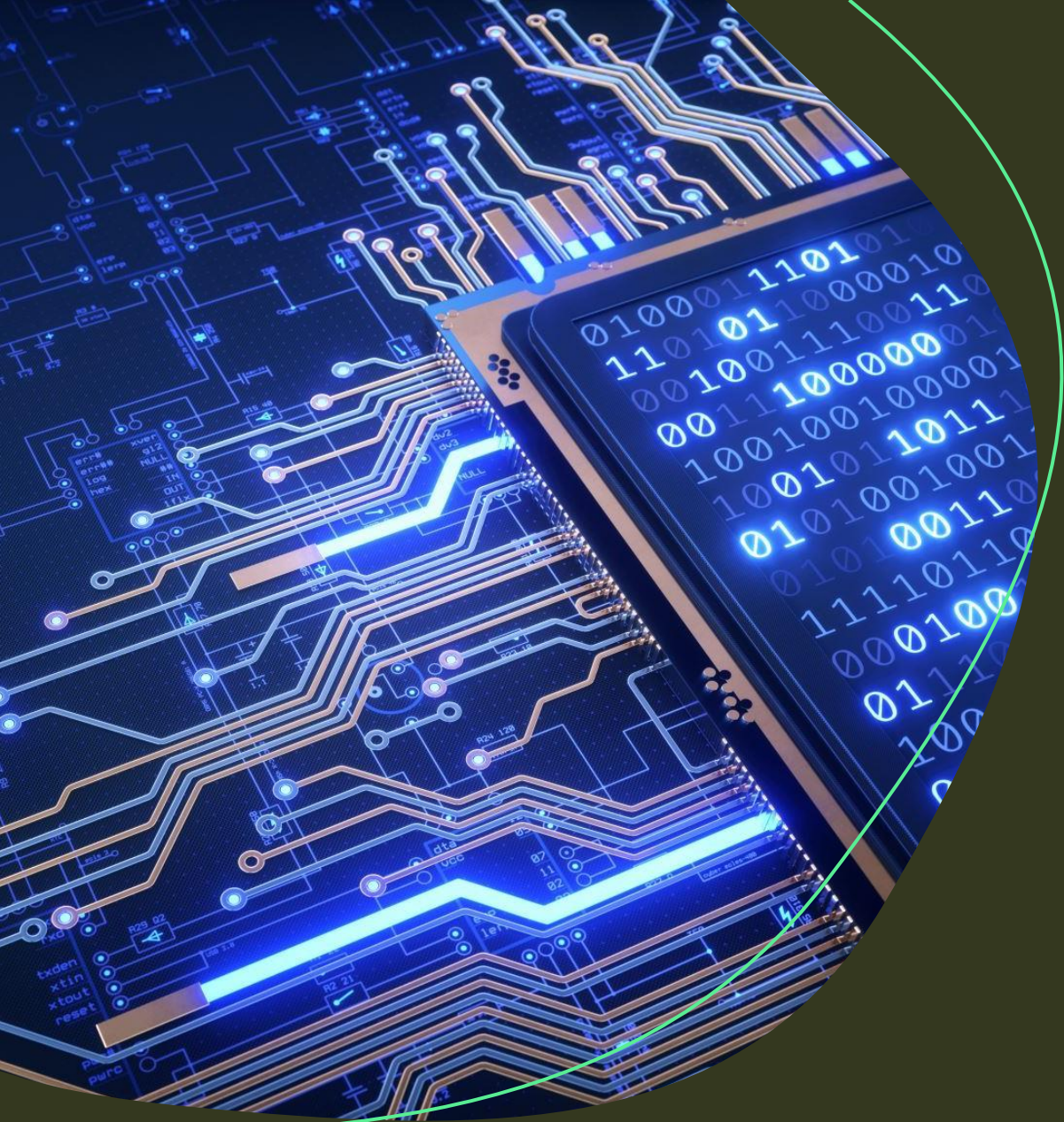
Optional

Consistency is expected

Assignments (Optional)

Path to intro2ML

https://www.isical.ac.in/~prasantadutta/intro2py

What is Python Programming

- A scripting language

- Developed in 1989 by Guido van Rossum and officially release in 1991

- Versatile

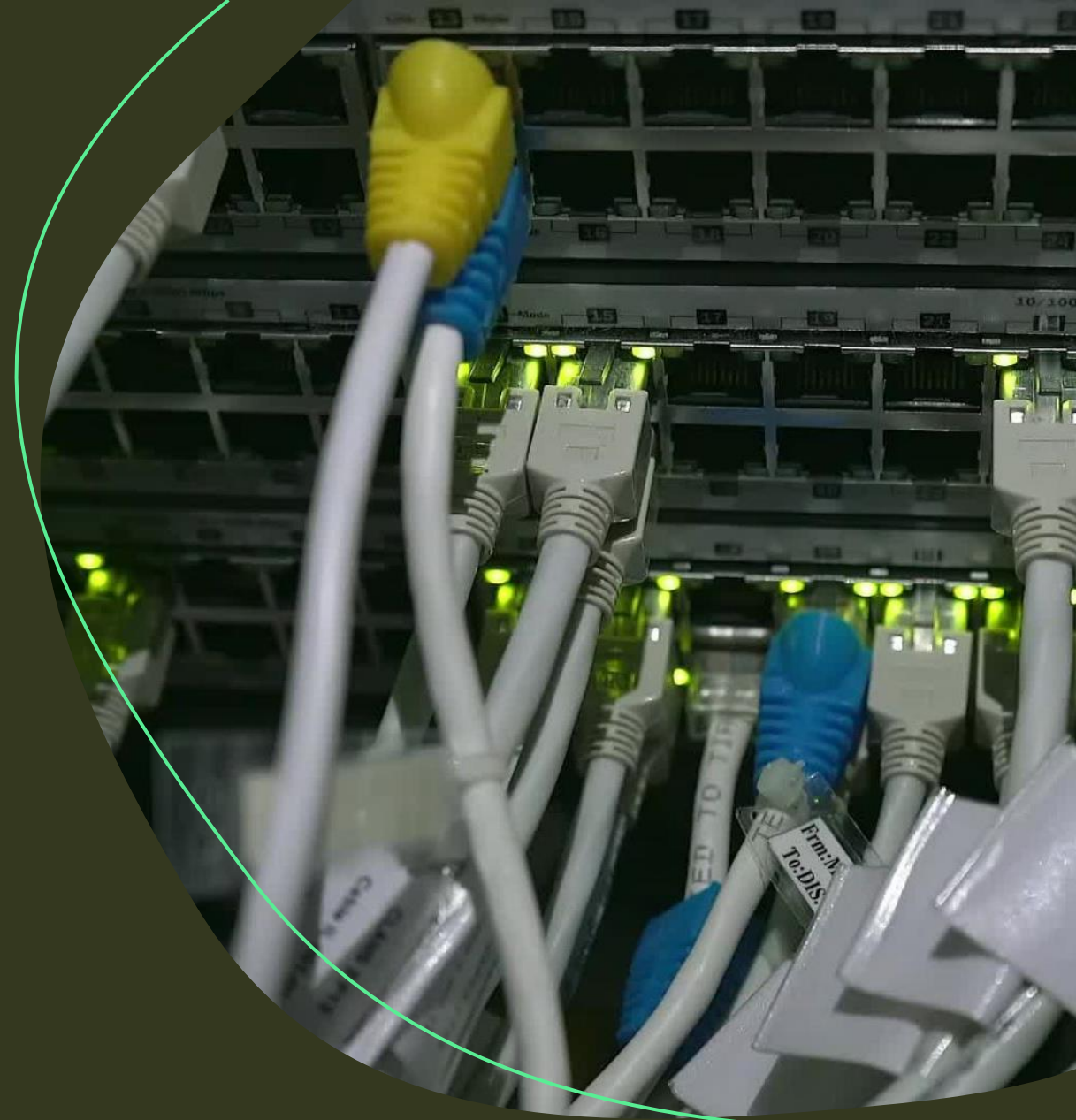- Supports object oriented programming

Why Python Programming

- Versatility
  - Automation
  - Web Development
  - Data Analysis
  - Machine Learning & AI
  - Web Scraping
  - Game Development
  - GUI Development
  - Network Programming
  - Testing
  - APIs & Microservices
  - IoT & Embedded Systems
  - Cybersecurity

Installation

- Linux
  - Installed by default
  - sudo apt install python3 (ubuntu)
- Windows
  - Download from https://www.python.org/downloads and installed it
- Mac
  - Installed by default
  - brew install python

What is required to get started

Interpreter

IDE / Text Editor and Terminal

Hosted Platforms

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What is required to get started

- **Python interpreter**

- **IDE / Text Editor and Terminal**
    - Visual Studio Code
    - PyCharm
    - Jupyter Notebook
    - Spyder
    - Atom
    - Sublime

- **Hosted Platforms**
    - Programiz
    - Google Colab
    - Kaggle Notebook

Some points to remember

- Indentation is most important in python

- Python is case sensitive

Let's Begin

Thank You