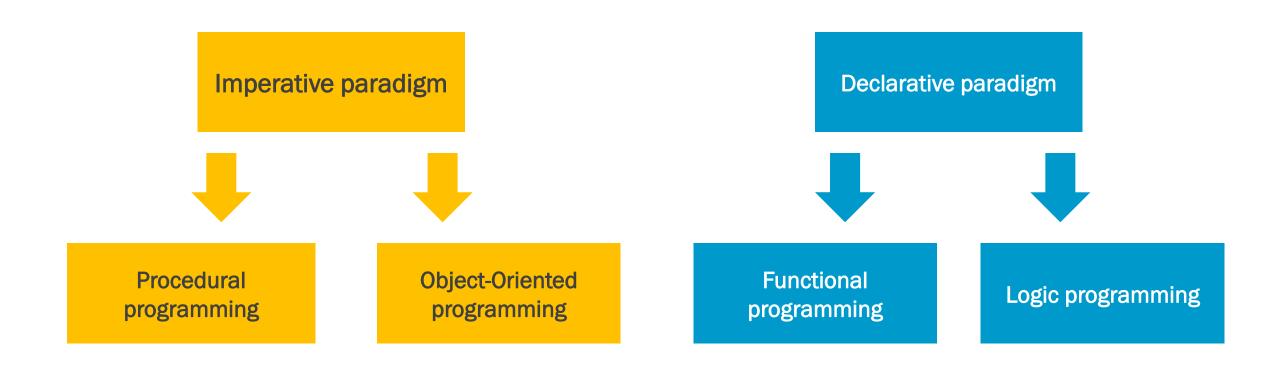# PYTHON
INTRODUCTION

MEHRSHAD SAADATINIA

Why python?

1) Code readability & simple syntax

2) Wide range of modules & packages

3) Multi-paradigm

4) Widely used in different fields

Multi-paradigm

Imperative paradigm		Declarative paradigm	
↓	↓	↓	↓
Procedural programming	Object-Oriented programming	Functional programming	Logic programming

Where is python used? (1)

1) back-end development using robust frameworks like:

Where is python used? (2)

2) machine learning & deep learning using a wide range of libraries:

Where is python used? (3)

3) Web scrapping using BeautifulSoap:

Webpages → Web Scraping → Structured Data

Where is python used? (4)

4) writing scripts to automate boring stuff (Selenium, ⋯)

5) developing games with Pygame

6) GUI application development Tkinter

And numerous other awesome usages ⋯