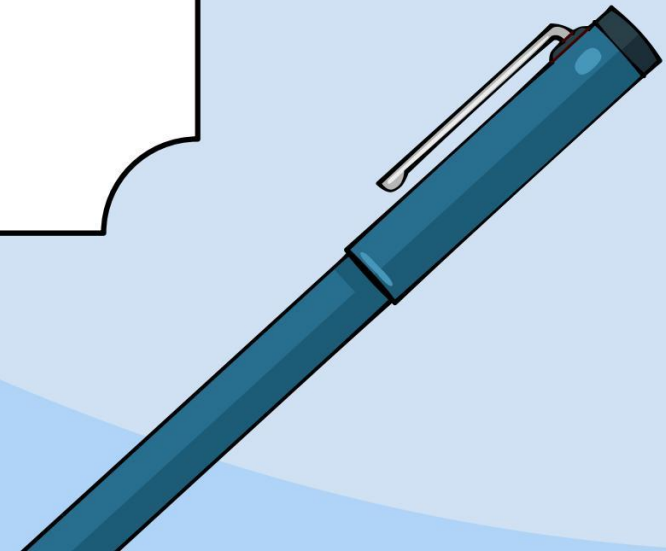




# پایتون

## (Numpy)

محمد دهقانی



# What is NumPy?

- **NumPy is a Python library used for working with arrays.**
- **It also has functions for working in domain of linear algebra, fourier transform, and matrices.**
- **NumPy was created in 2005 by Travis Oliphant. It is an open source project.**
- **NumPy stands for Numerical Python.**

# Why Use NumPy?

- **In Python we have lists that serve the purpose of arrays, but they are slow to process.**
- **NumPy aims to provide an array object that is up to 50x faster than traditional Python lists.**
- **Arrays are very frequently used in data science, where speed and resources are very important.**

**#DONTFORGETUS**

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