#### Al Lab - Tutorial

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# The OpenAl Gym Framework

## What is it

Gym is a toolkit for developing and comparing autonomous agents, focusing specifically on reinforcement learning algorithms.

It supports teaching agents everything from walking to playing games like Pong or Pinball

### What is it for

- An open-source collection of environments that can be used for benchmarks
- A standardized set of tools to define and to work with environments

## Where to find it

https://gym.openai.com

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# Installation Process

During the lab lessons we will use Jupyter notebook files. In order to use these files you should install the following dependecies.

# Detailed guide for the installation process:

https://github.com/vrncst/AI\_Lab

- Download the Anaconda package manager for Python 3.7 from https://www.anaconda.com/distribution/#download-section
- Install Conda on your system
- Open a terminal and digit:
  - > git clone https://github.com/vrncst/AI\_Lab
  - > cd AI\_Lab
  - > conda env create -f tools/ai-lab-env.yml
  - > conda activate ai-lab

# **Tutorial**

#### To open the tutorial:

- Navigate to your local Al\_Lab folder.
- Ensure that you have activated the *ai-lab* conda environment and launch Jupyter Notebook (> jupyter notebook) from your folder
- Navigate with your browser to: tutorial/tutorial.ipynb

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