

# Problem 4 - List of Popular Software

## 1. GraphQL

- a. [link](#)
- b. **Written in:** JavaScript
- c. **Since:** created in 2012 and open sourced by Facebook in 2015
- d. **Developer:** Facebook
- e. **Used for:** query language for APIs

## 2. PyTorch

- a. [link](#)
- b. **Written in:** Python, CUDA, C++
- c. **Since:** September 2016
- d. **Developer:** Linux Foundation, Meta AI
- e. **Used for:** PyTorch is a machine learning framework based on the Torch library, used for applications such as computer vision and natural language processing.

## 3. OpenCV

- a. [link](#)
- b. **Written in:** C, C++ but library is cross-platform
- c. **Since:** June 2000
- d. **Developer:** Intel
- e. **Used for:** OpenCV is a library of programming functions mainly aimed at real-time computer vision.

## 4. PyTorch

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- b. **Written in:** Python, CUDA, C++
- c. **Since:** September 2016
- d. **Developer:** Linux Foundation, Meta AI
- e. **Used for:** PyTorch is a machine learning framework based on the Torch library, used for applications such as computer vision and natural language processing.

## 5. TensorFlow

- a. [link](#)
- b. **Written in:** Python, C++
- c. **Since:** November 9, 2015
- d. **Developer:** Google
- e. **Used for:** TensorFlow is a free and open-source software library for machine learning and artificial intelligence. It can be used across a range of tasks but has a particular focus on training and inference of deep neural networks.

## 6. scikit-learn

- a. [link](#)
- b. **Written in:** Python, C, C++, Cython
- c. **Since:** June 2007
- d. **Developer:** David Cournapeau
- e. **Used for:** Scikit-learn is a free software machine learning library for the Python programming language. It features various classification, regression and clustering algorithms

## 7. Django

- a. [link](#)
- b. **Written in:** Python, HTML

- c. **Since:** July 21, 2005
- d. **Developer:** Adrian Holovaty, Simon Willison, Django Software Foundation, Jacob Kaplan-Moss
- e. **Used for:** Django is a free and open-source, Python-based web framework that follows the model–template–views architectural pattern. It is maintained by the Django Software Foundation, an independent organization established in the US as a 501 non-profit.

## 8. OpenSSL

- a. [link](#)
- b. **Written in:** C, Perl, Assembly language
- c. **Since:** 1998
- d. **Developer:** The OpenSSL Project
- e. **Used for:** OpenSSL is a software library for applications that secure communications over computer networks against eavesdropping or need to identify the party at the other end. It is widely used by Internet servers, including the majority of HTTPS websites.

## 9. NumPy

- a. [link](#)
- b. **Written in:** Python, C
- c. **Since:** 1995
- d. **Developer:** Jim Hugunin
- e. **Used for:** NumPy is a library for the Python programming language, adding support for large, multi-dimensional arrays and matrices, along with a large collection of high-level mathematical functions to operate on these arrays.

## 10. Pandas

- a. [link](#)
- b. **Written in:** Python, C, Cython

- c. **Since:** January 11, 2008
- d. **Developer:** Wes McKinney
- e. **Used for:** Pandas is a software library written for the Python programming language for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and time series. It is free software released under the three-clause BSD license.