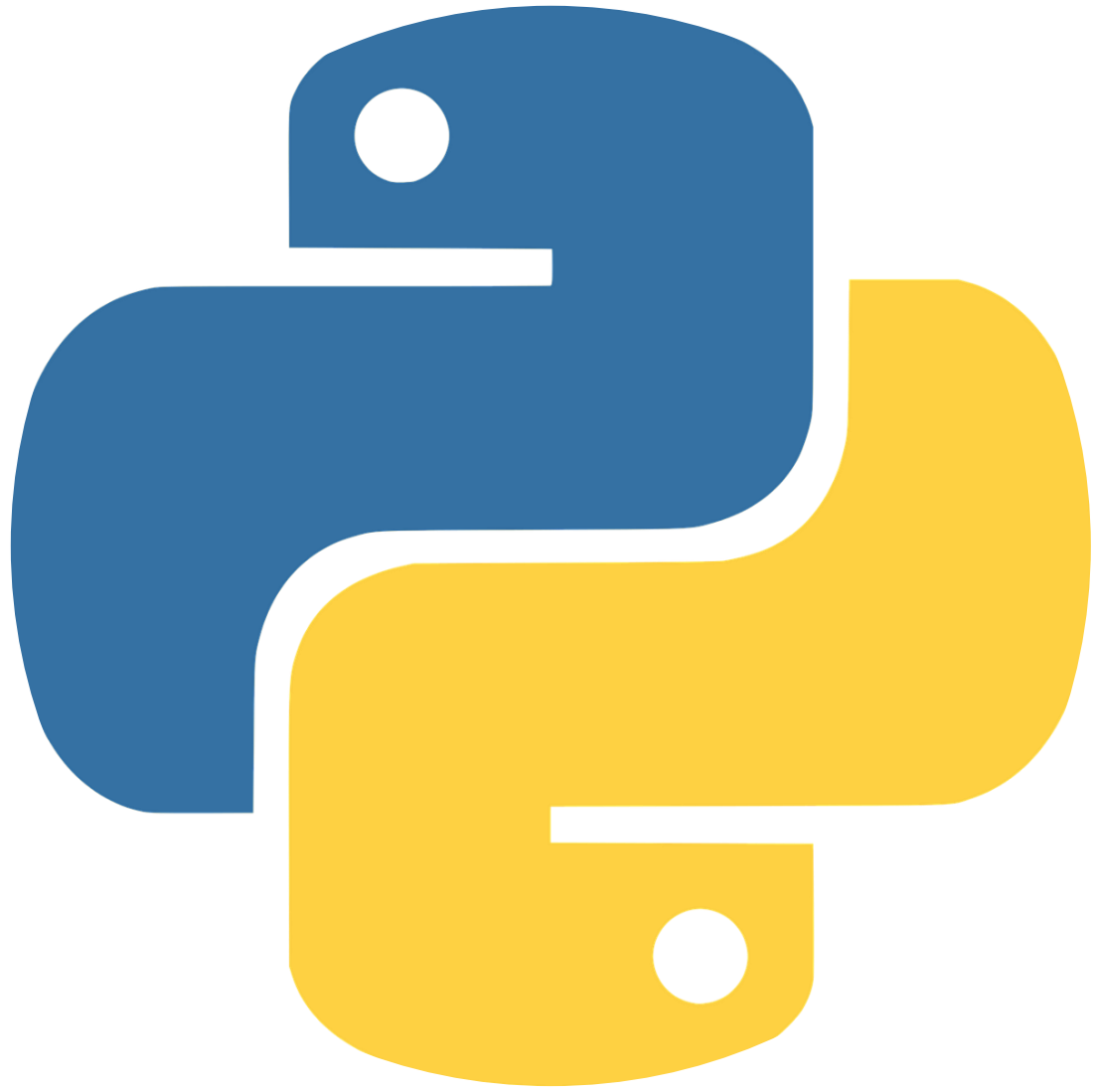PYTHON

PYTHON

programming language
for coding
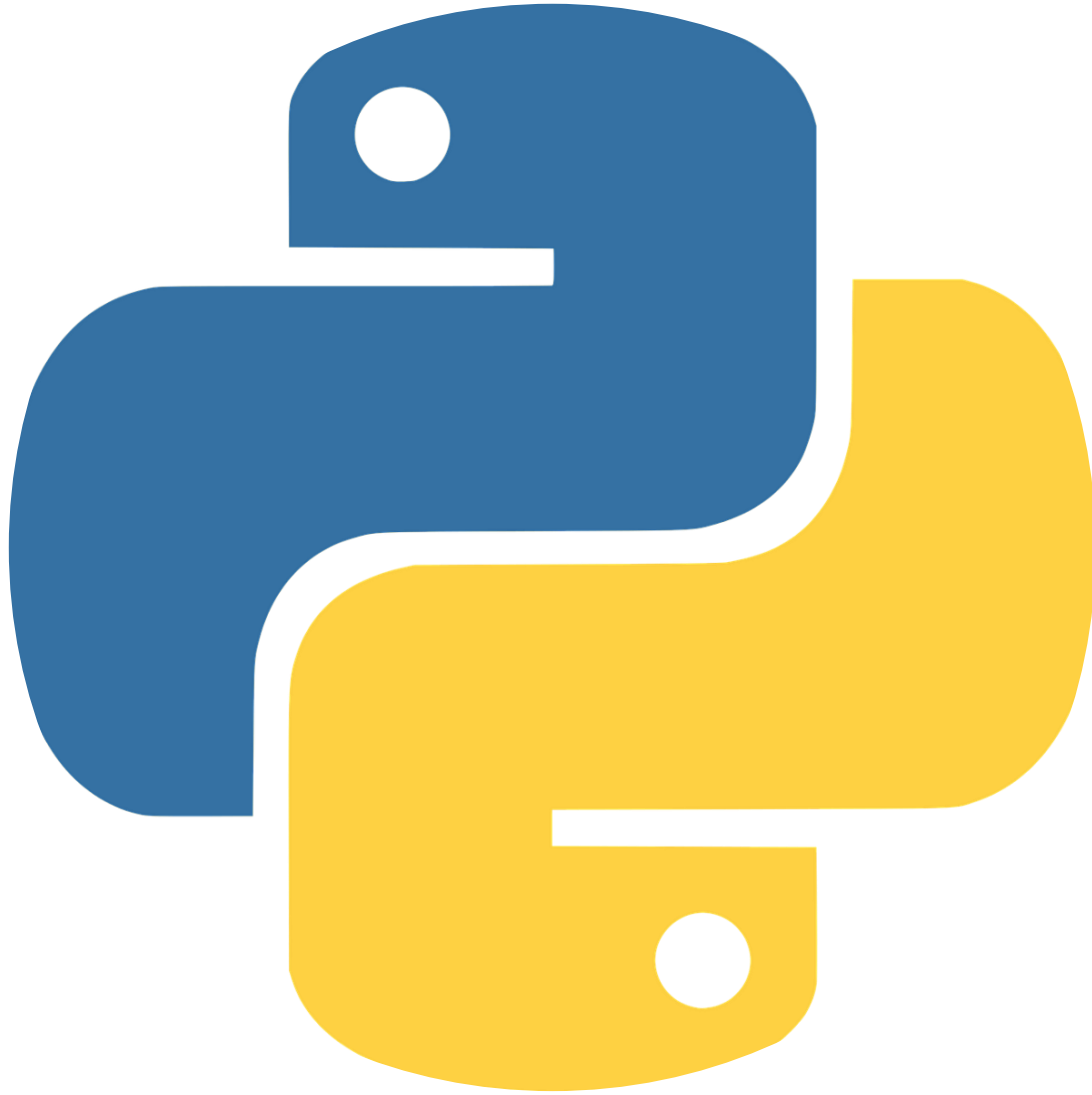
PROGRAMMING LANGUAGES AND CODING

Programming languages are instructions that can make a computer perform a task.

Computer programmers, or "coders," are people who write these instructions.

Coders can get computers to do addition, make music, move a robot across a room, or fly a rocket to Mars

WHY PYTHON

Because it is cool

Easy to read and write

Python is a text-based computer programming language. You write the instructions using a mixture of English words, punctuation characters, symbols, and numbers. This makes Python code simple to read, write, and understand.

Works everywhere

Python is portable. This means you can write and run Python code on lots of different computers. The same Python code will work on PCs, Macs, Linux machines, Robots, fridges, etc

Can do pretty much everything

PYTHON CAN DO EVERYTHING

▽ **Crawling the web**

Python is widely used on the Internet. Parts of Google's search engine are written in Python. Much of YouTube is also built using Python code.

> I'm a mighty powerful program!

> Python? It's a serious business!

△ **Serious business**

Python helps banks keep track of the money in their accounts, and big store chains to set the prices of the goods they sell.

> Don't worry, this won't hurt—much!

△ **Medical marvels**

Python can be used to program robots to perform tricky operations. A Python-programmed robot surgeon can work more quickly than a human one, and be more accurate and less likely to make errors.
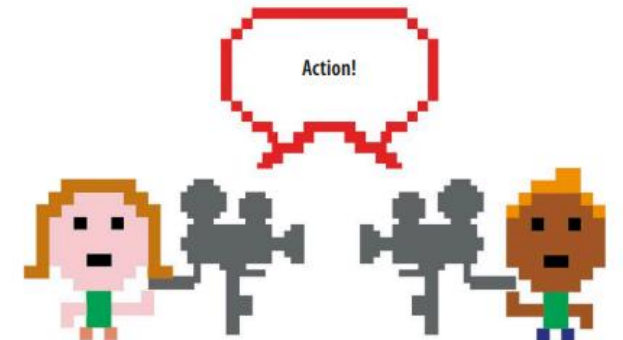
> We've been expecting you!

△ **Out of this world**

Software engineers used Python to create tools for NASA's Mission Control Center. These tools help the crew prepare for and monitor the progress of each mission.
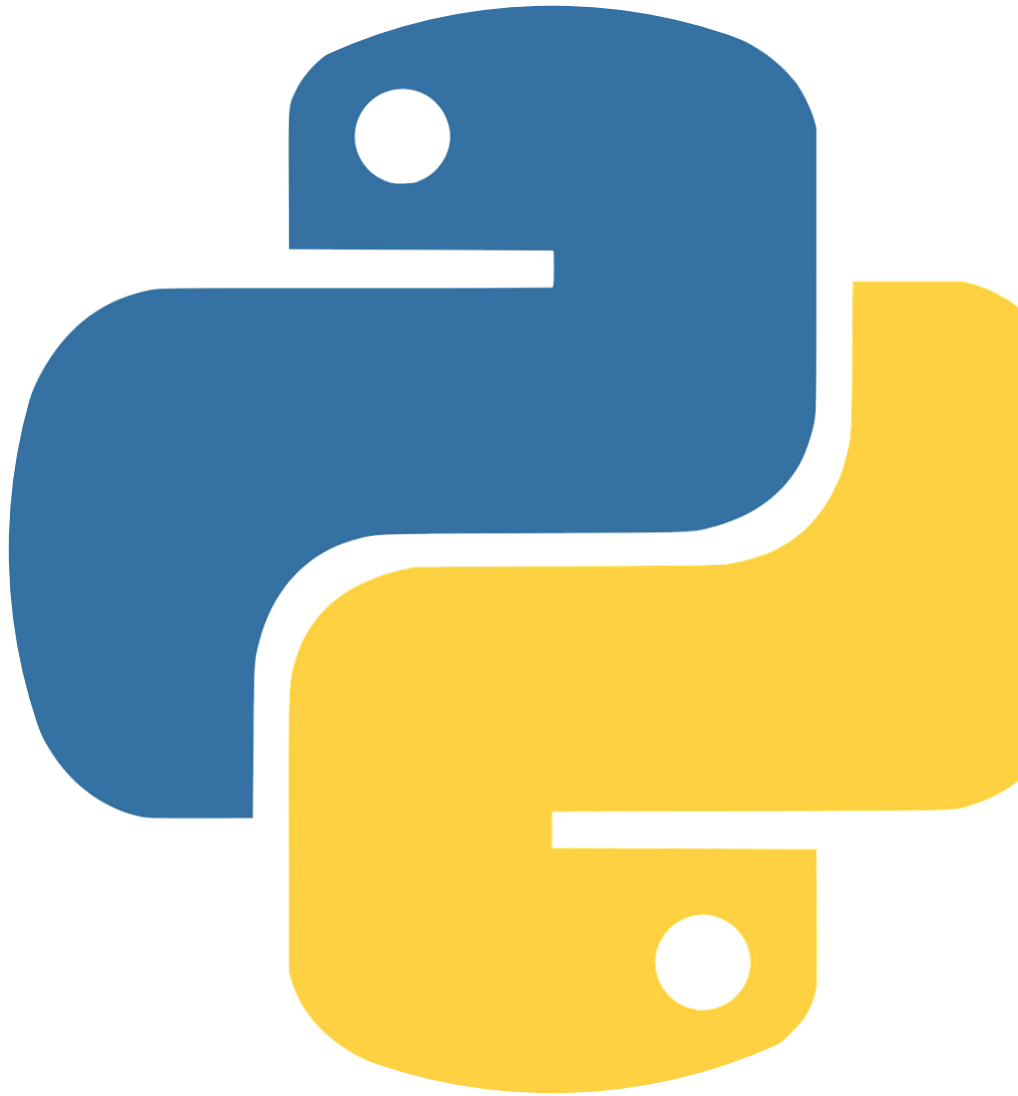
> Action!

△ **In the movies**

Disney uses Python to automate repetitive parts of the animation process. Rather than animators carrying out the same steps over and over, they use a Python program to repeat the steps automatically. This saves work, shortening the time it takes to make a film.

You can build games with python

ARE YOU READYYYYYYYYYYYYYYYYYY