

Power of Python

ENG/MOUSTAFA PRINCE

Agenda

Intro to programming.

What can I do with Python?

1- GUI in Python.

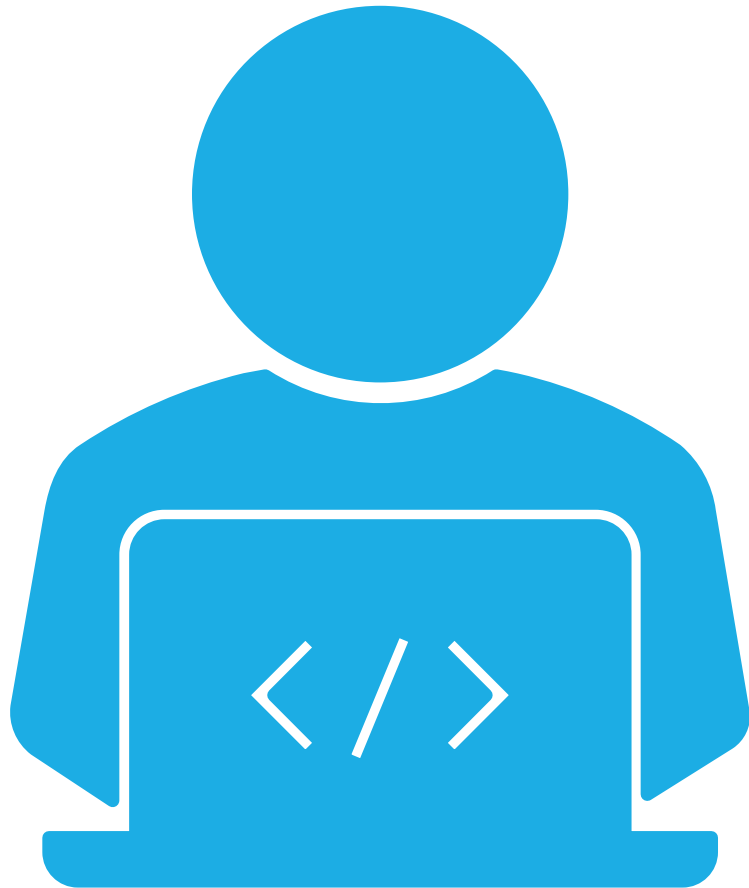
2- Machine Learning.

3- Automation.

4- Mobile apps.

Summary.

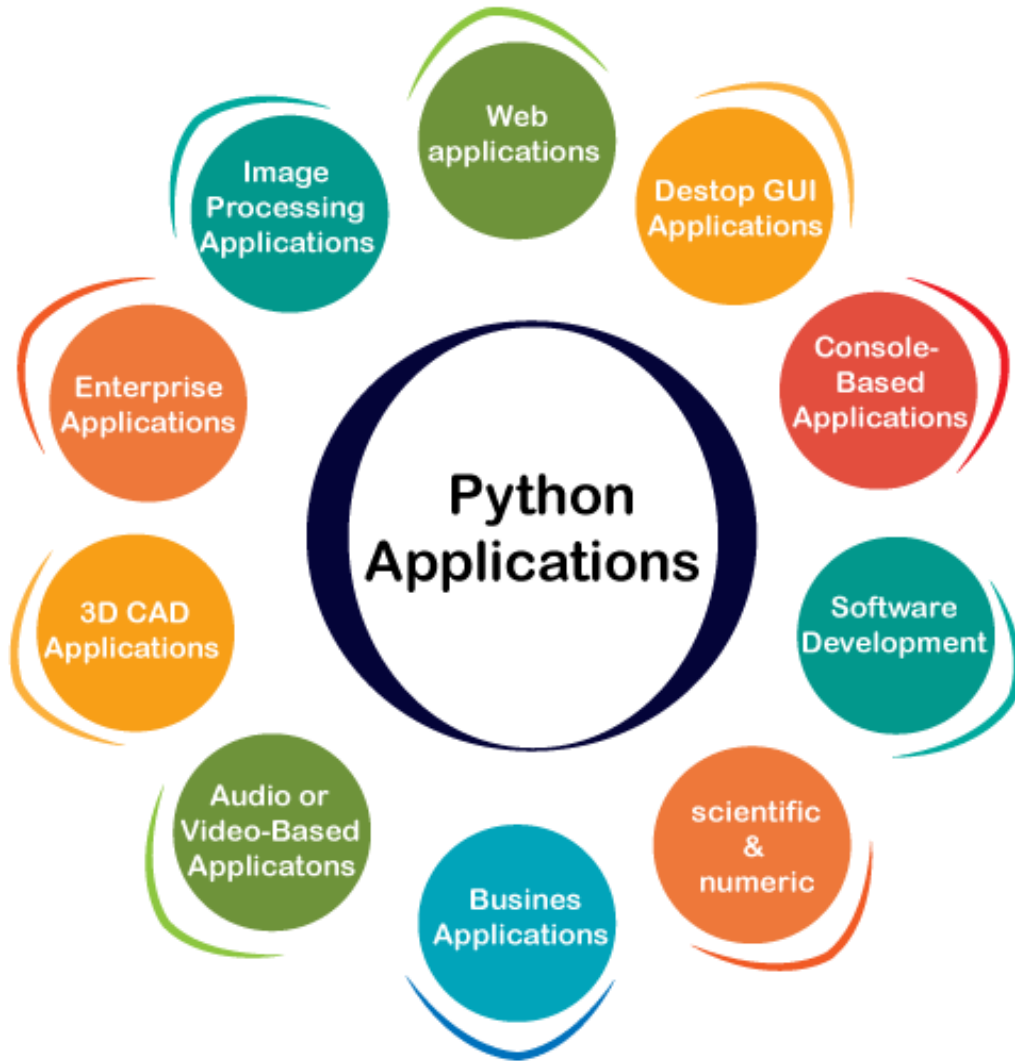
Conclusion.



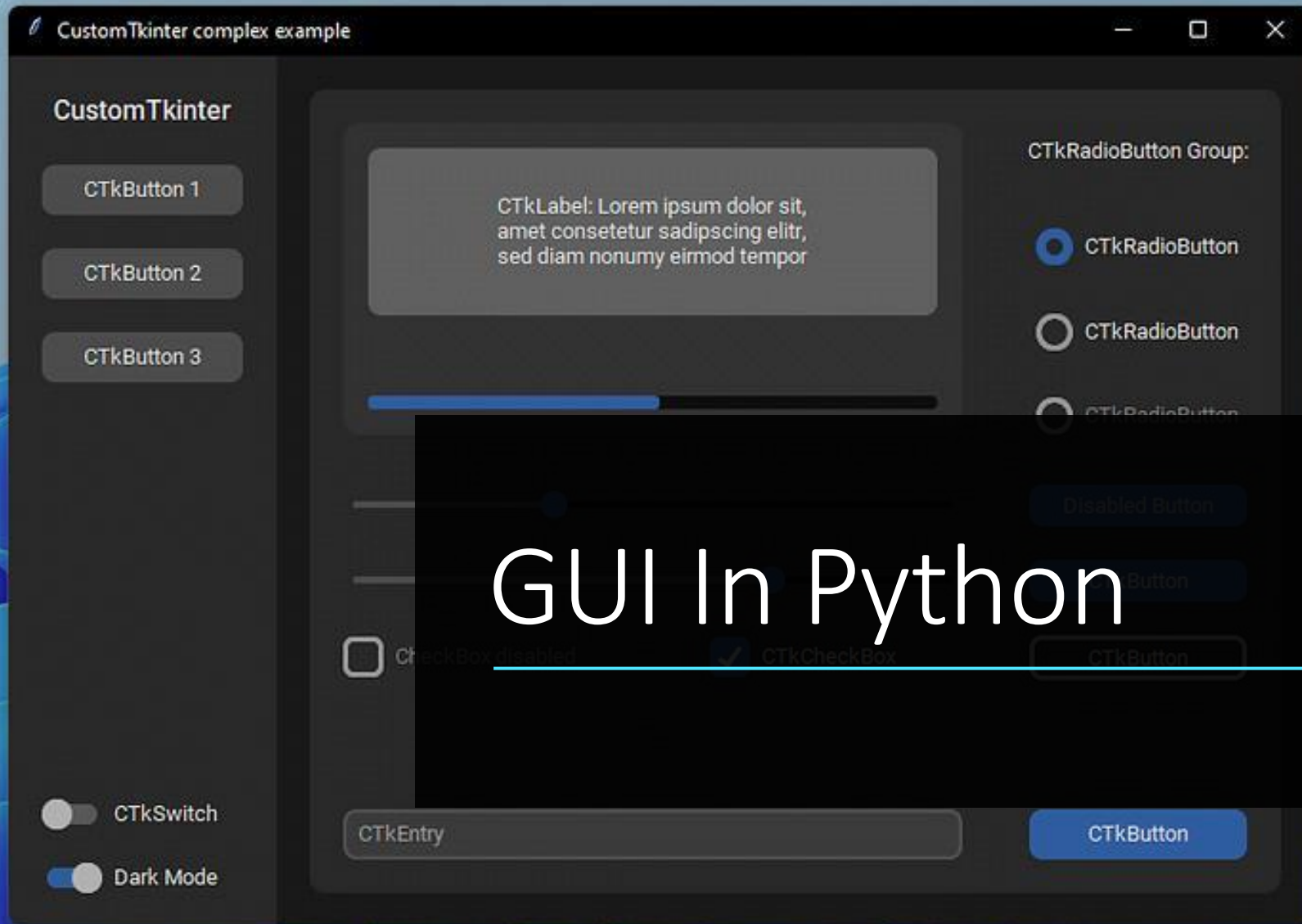
Intro to Python

Python is a dynamic, interpreted language. There are no type declarations of variables, parameters, functions, or methods in source code. This makes the code short and flexible, and you lose the compile-time type checking of the source code. Python tracks the types of all values at runtime and flags code that does not make sense as it runs.

Popular applications for python language are Instagram, Spotify, Uber and Facebook.



What can I do with Python?



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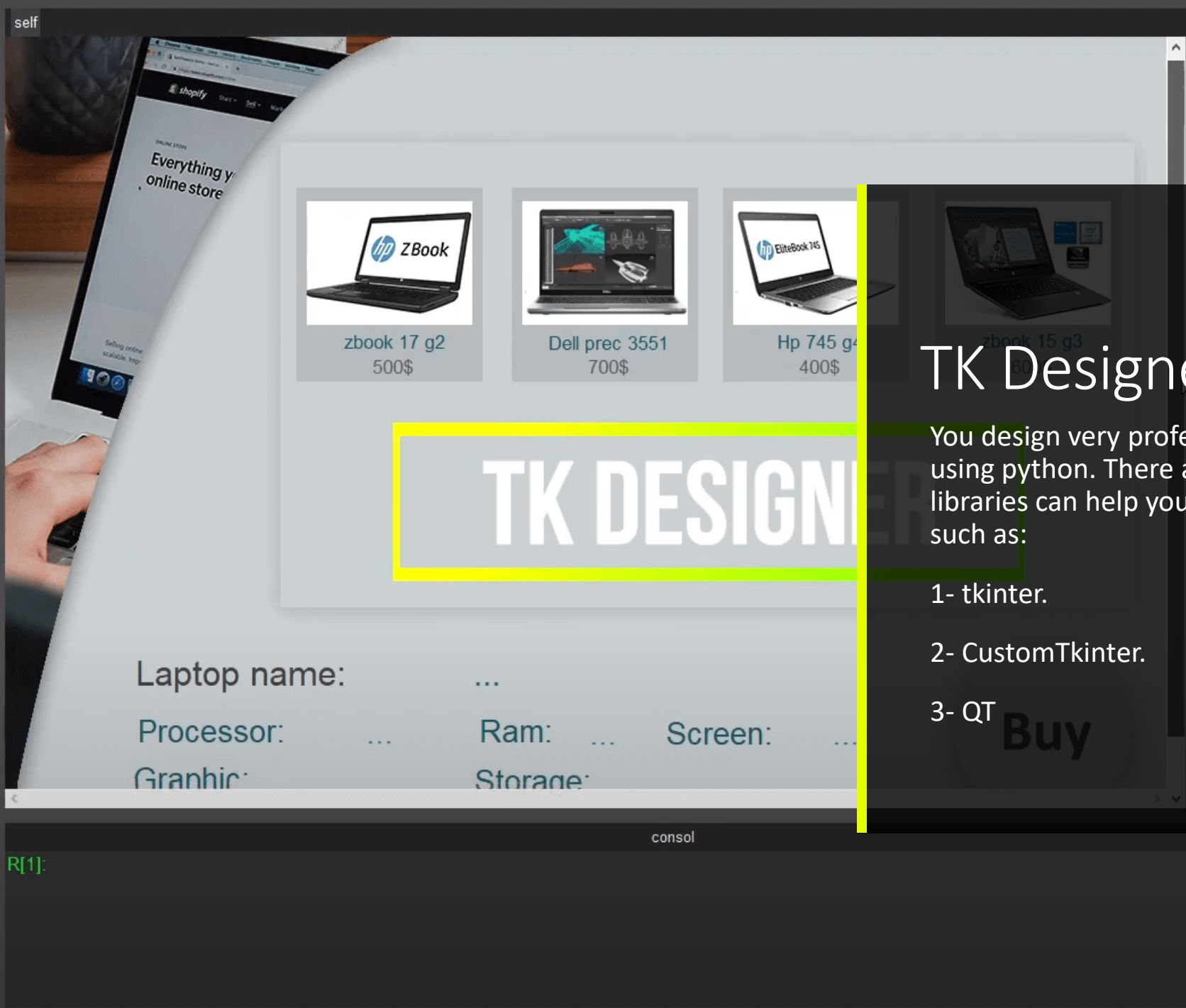
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TK Designer

You design very professional GUIs using python. There are many libraries can help you to do that such as:

- 1- tkinter.
 - 2- CustomTkinter.
 - 3- QT
- Buy

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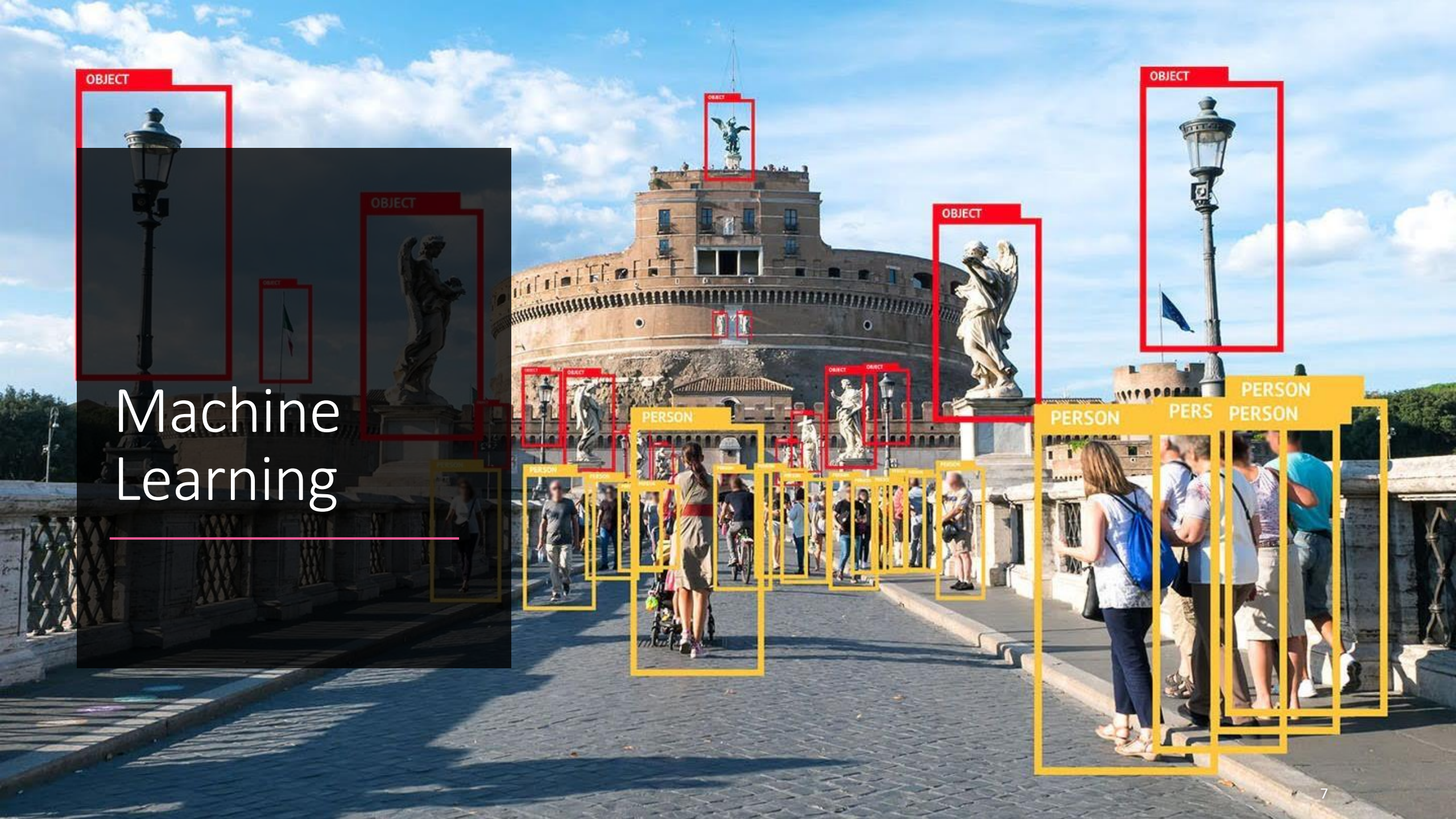
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Machine Learning



An isometric illustration on a blue background depicting a workflow or automation process. Several stylized human figures are shown interacting with glowing blue rectangular blocks that have circular light sources on top. These blocks are connected by lines and arrows, suggesting a flow of data or tasks. In the center, a large yellow Python logo sits on a red circular base. To the left, there are circular progress indicators showing '70%' and '30%'. The overall theme is technology, automation, and data management.

Automation

USING SOME LIBRARIES IN PYTHON SUCH AS SELENIUM LIBRARY,
YOU CAN SCHEDULE TASKS.



Mobile Apps

You can make your simple mobile app using python. Kivy library will allow you to do that as a GUI for mobile phones.





Summary

Python is used In many applications. You can use it to make a GUI for your program. You can train a model In machine learning for detecting objects. In deep learning, you are able to eliminate the noise from images.

Automation in python is a tool for anyone can use to automate any boring task or scheduling many tasks. Python also has a library used for mobile apps programming.

Conclusion

Regardless of your job, you will make it faster and exciting if you use python with it. There are many libraries in python that can help you to do your task. In many fields, python is used.

