PyOhio 2020

Online Lightning & Thunder Talk Edition

Python in Education for Generation Z

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Agenda

- The Generation Z, BYOD and Education
- BYOD: Advantages and Disadvantages
- QPython
- Blockly
- Flowgorithm
- VisuPy
- TextBook Companion Project

The Generation Z, BYOD and Education

- Gen Z : born between 1995 and 2010
- More Tech Savvy
- Learn best by doing/creating
- Teachers need to be equipped with the technology

People born from 1995 to 2010—are true digital natives: from earliest youth, they have been exposed to the internet, to social networks, and to mobile systems.

With BYOD you are creating a 1:1 classroom. Students bring and use their choice of technological devices in the classroom.

BYOD: Advantages and Disadvantages

CISCO DevNet - Securing and increasing productivity of BYOD in classrooms at schools (AICTE India)

The benefits of BYOD

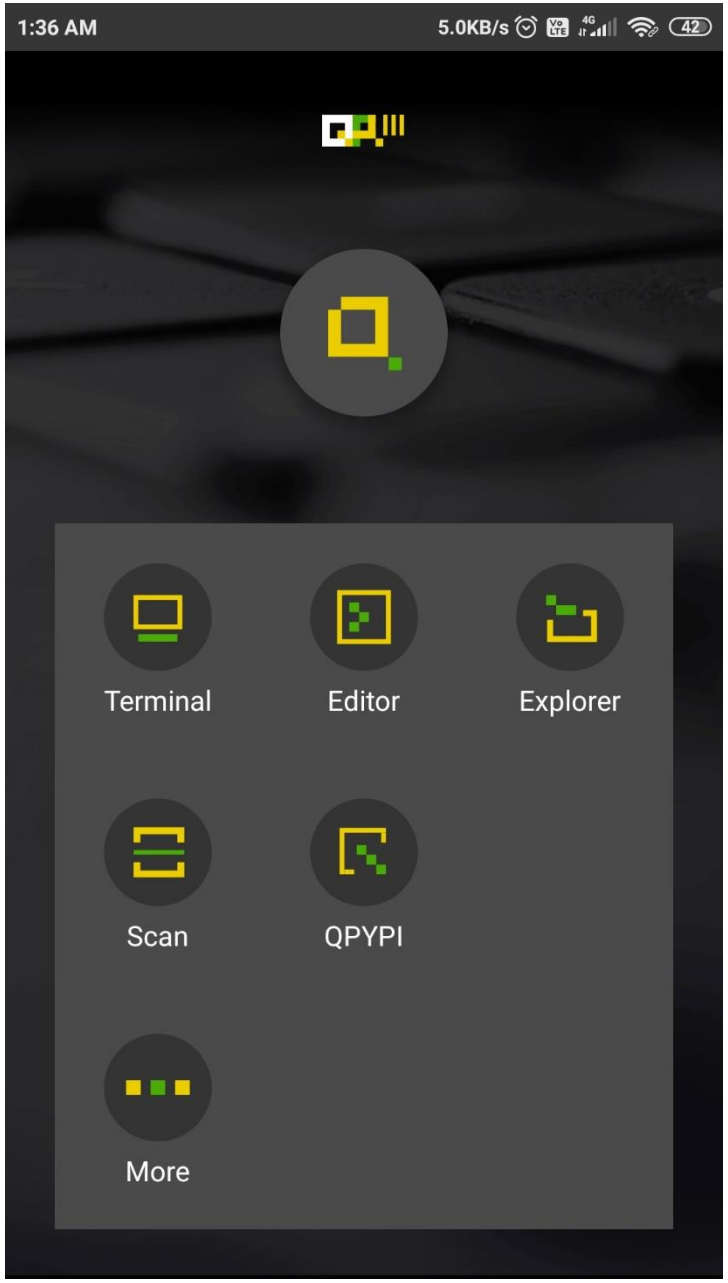
- Your students know the device
- Technology has many possibilities
- Cutting-edge devices
- Cost Effective
- Learning outside the school hours
- Respect for the device
- Organized students

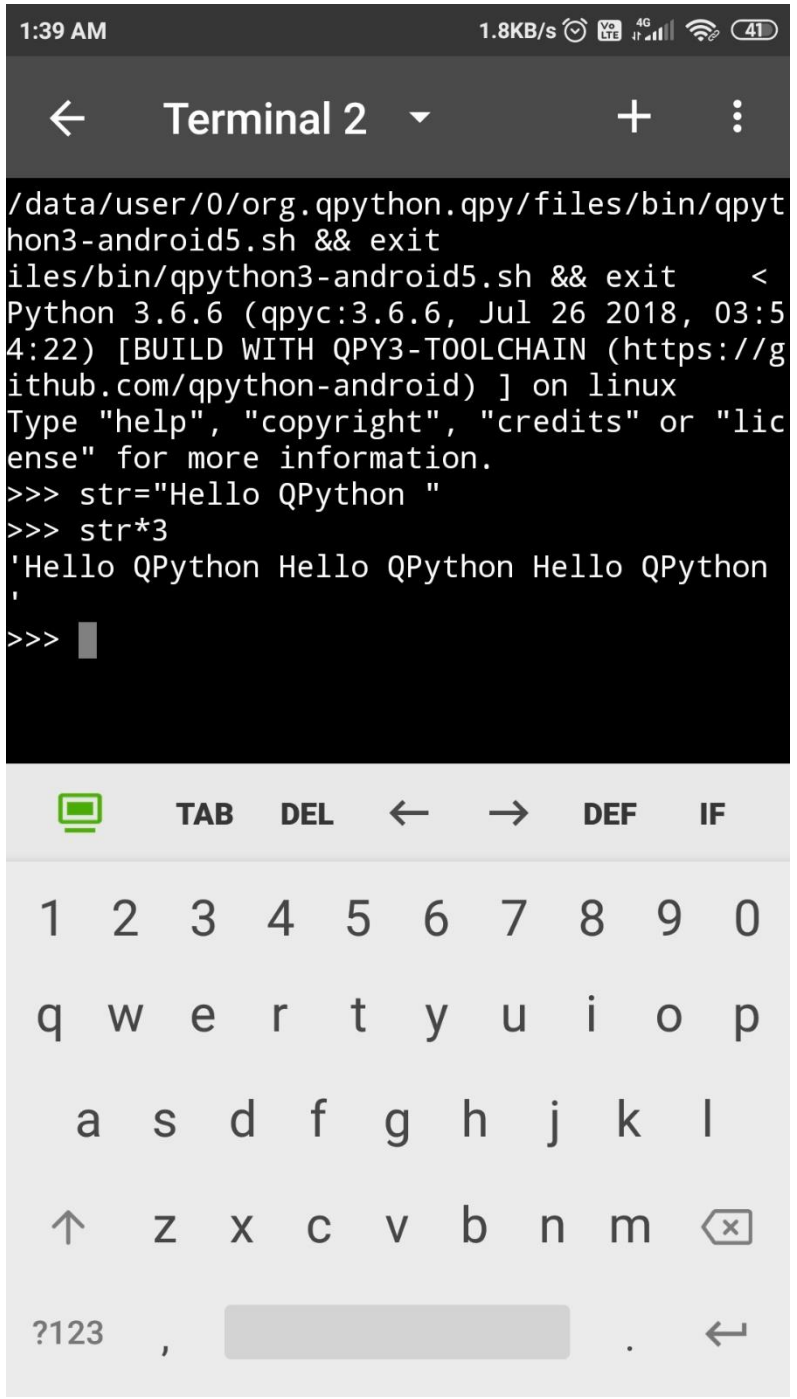
Disadvantages of BYOD

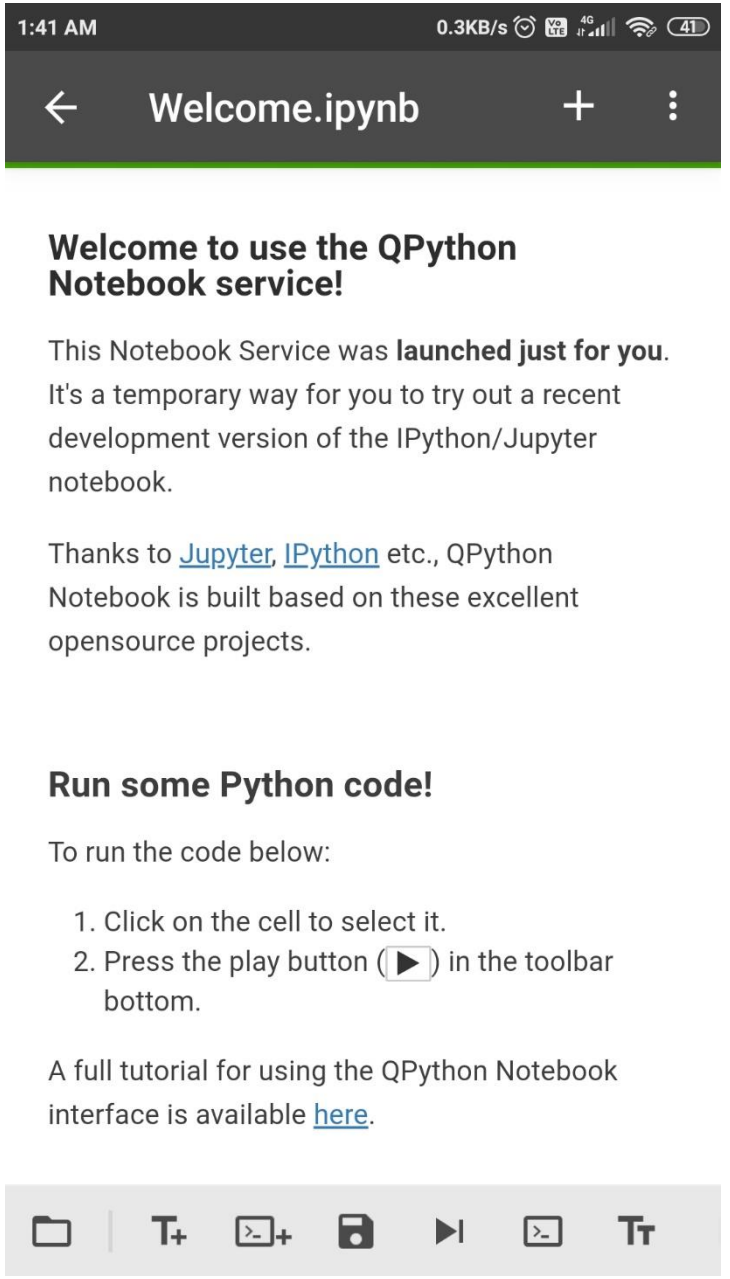
- Students without devices
- Different devices
- Distraction
- Not-responsible student

Austria, USA, Estonia, Australia, Finland, Norway, Portugal, Switzerland, UK

QPython

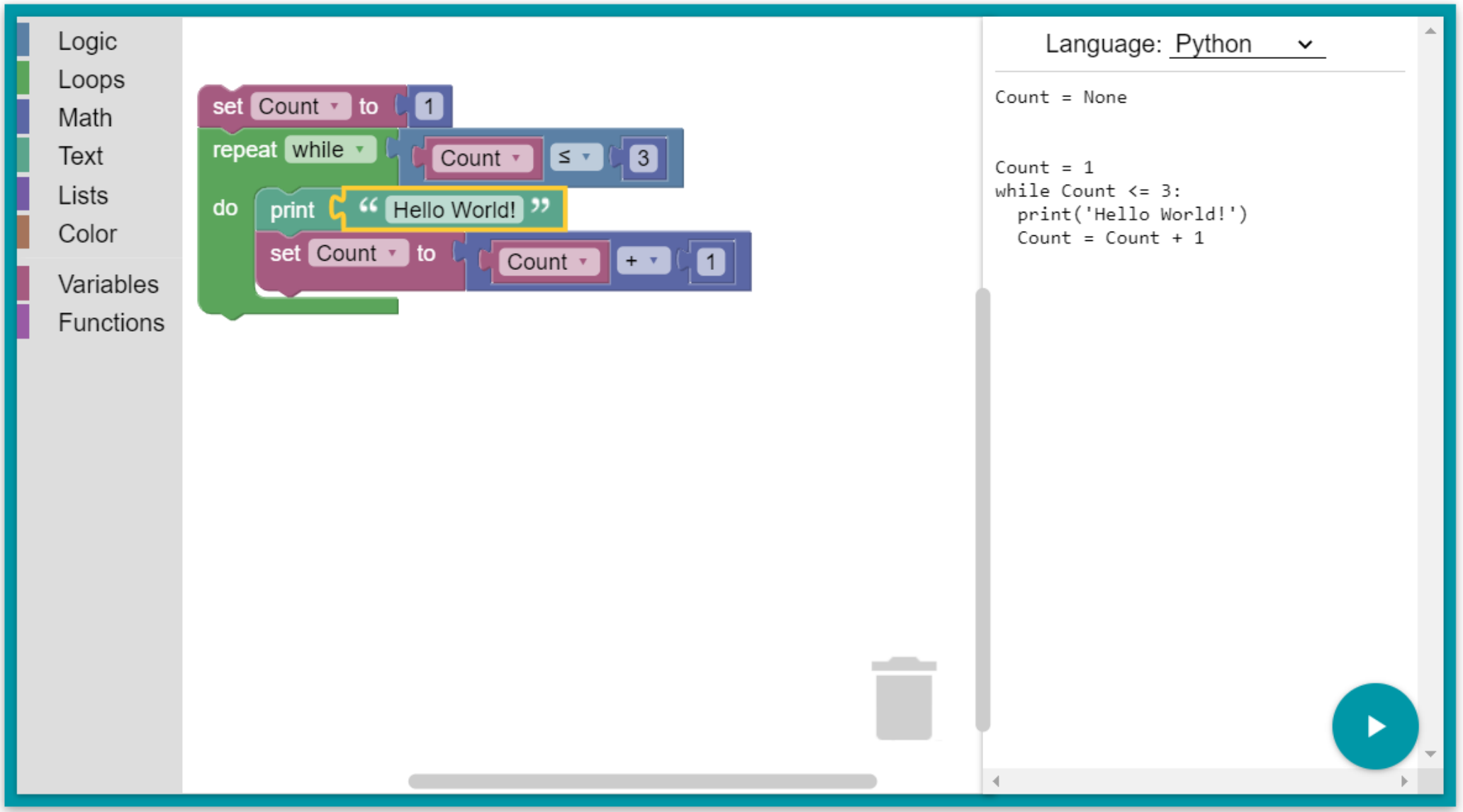






Website: https://www.qpython.com/

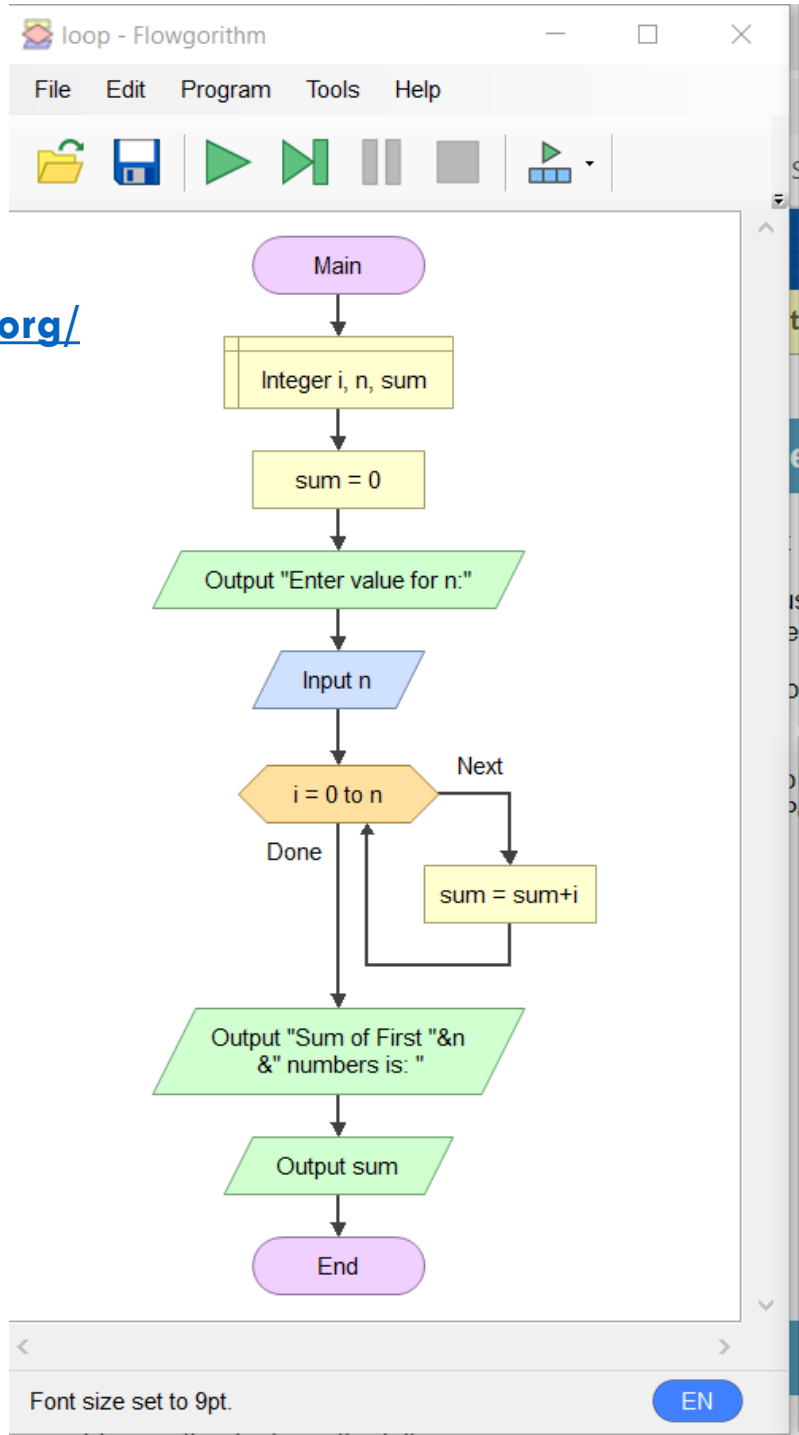
Blockly

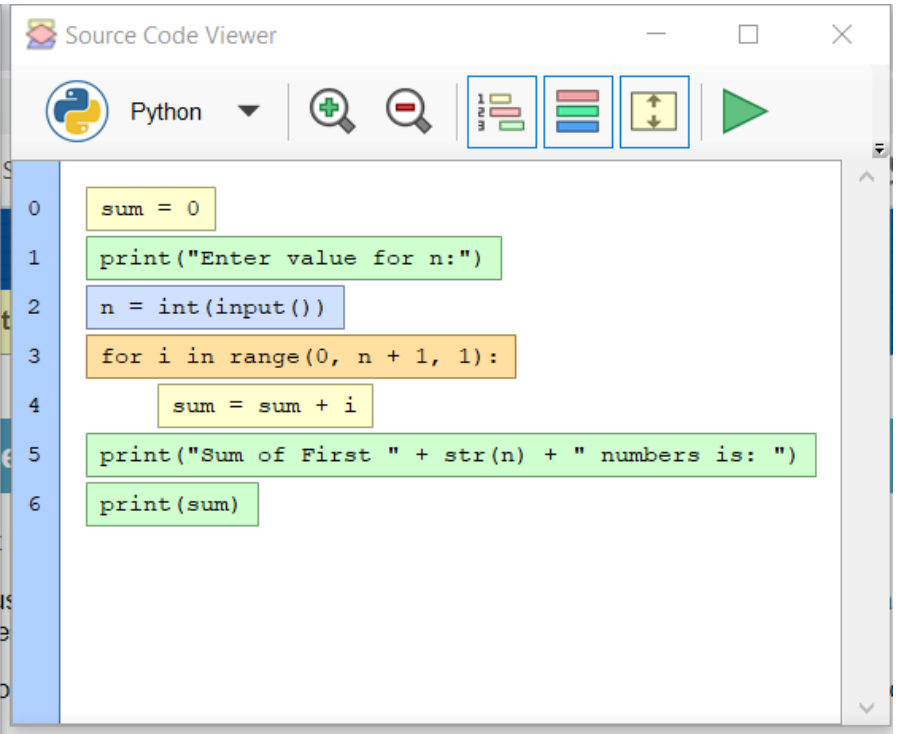


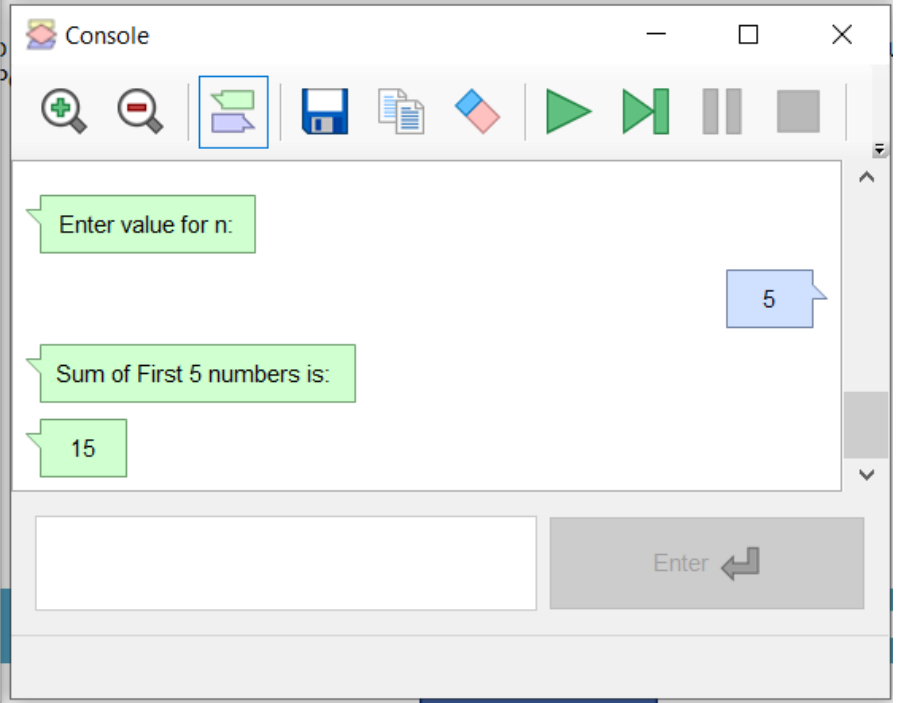
Website: https://developers.google.com/blockly

Flowgorithm

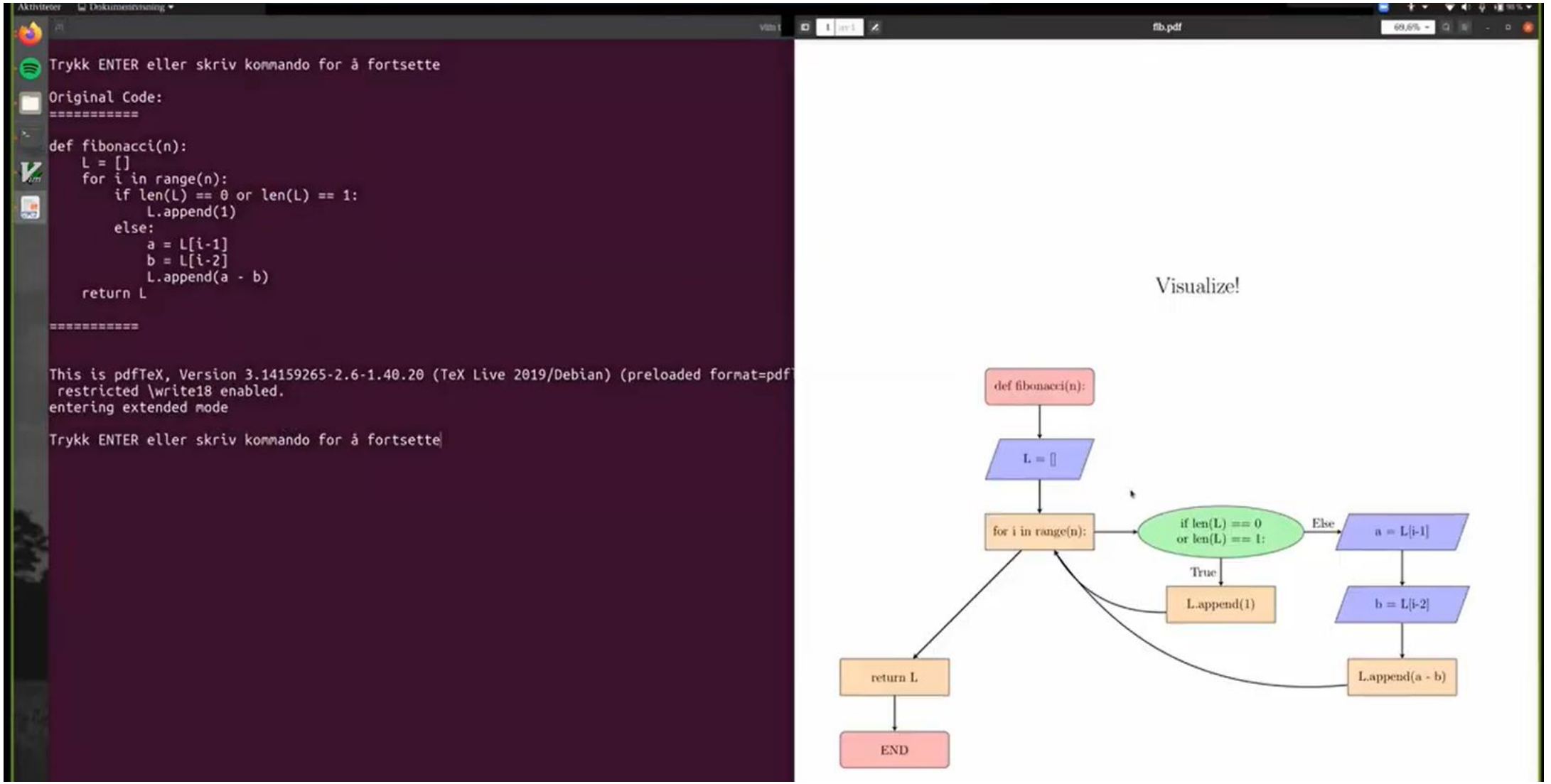
Website: http://www.flowgorithm.org/





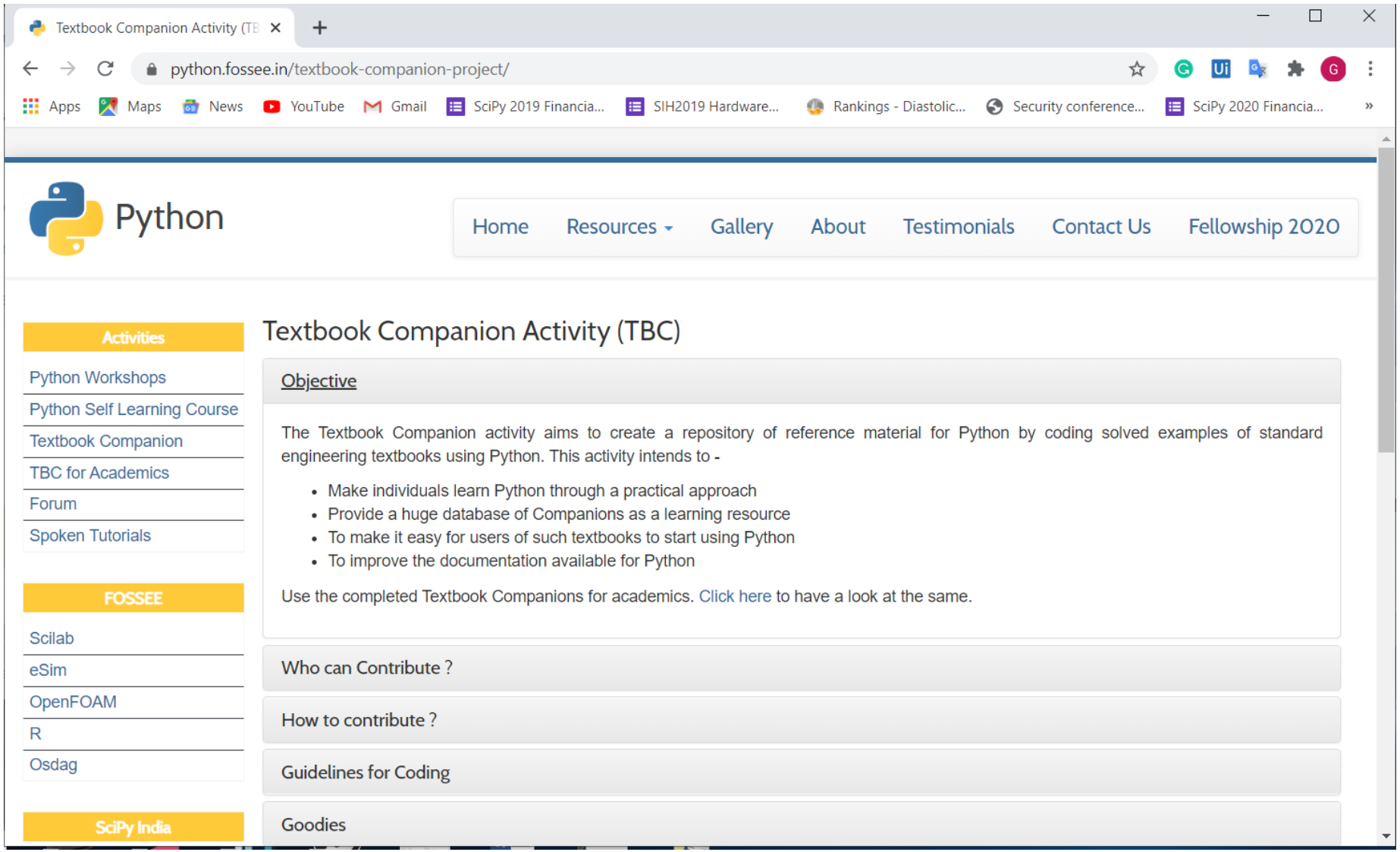


VisuPy- Code Visualization



Website: https://webfest.cern/projects

Python Textbook Companion Project by FOSSEE



Website: https://tbc-python.fossee.in/

Thank You!