Program

- Program = Data Structure + Algorithm

- Data Structure
  - A data structure is a data organization, management and storage format that enables efficient access and modification. More precisely, a data structure is a collection of data values, the relationships among them, and the functions or operations that can be applied to the data.

- Algorithm
  - A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.

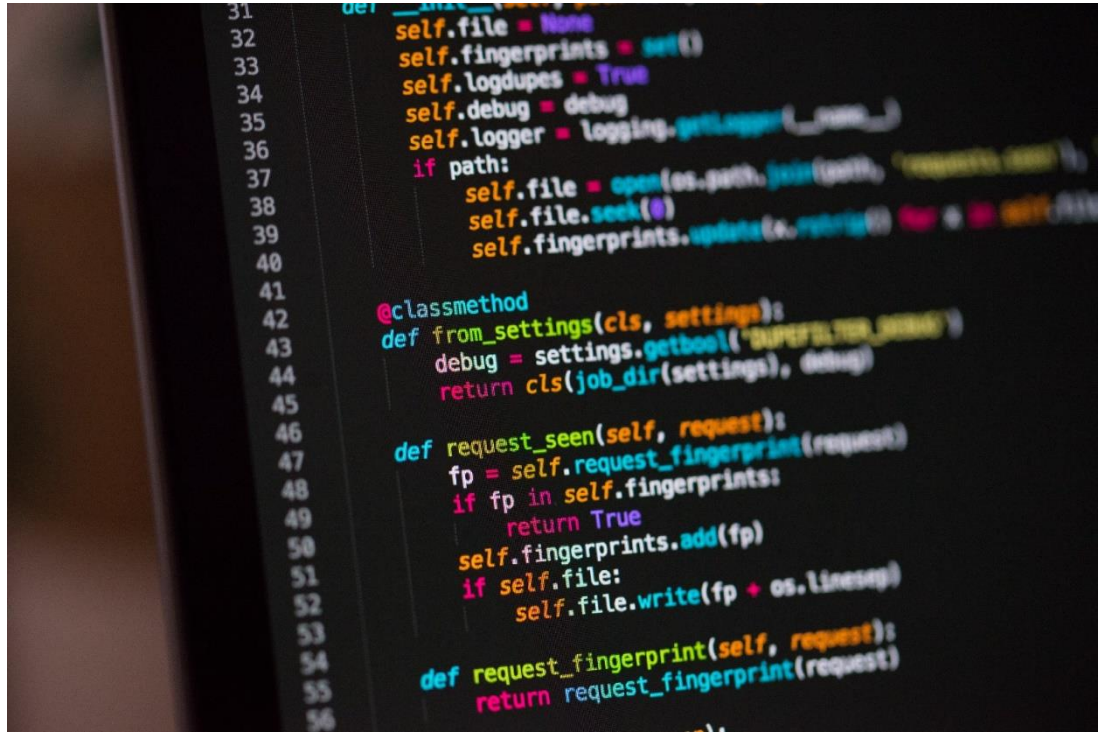
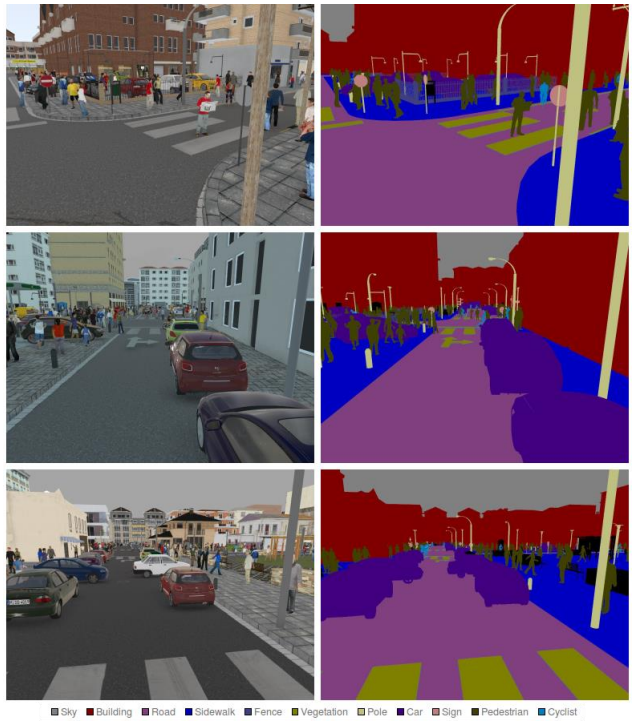
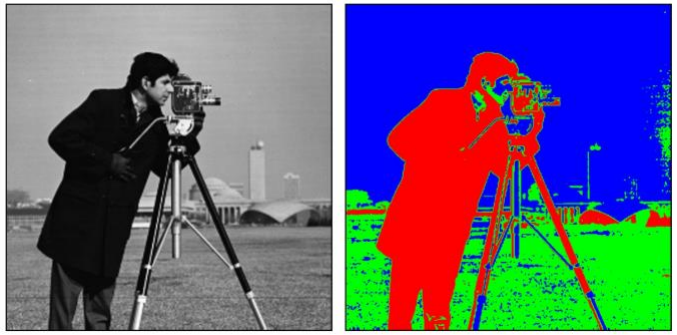
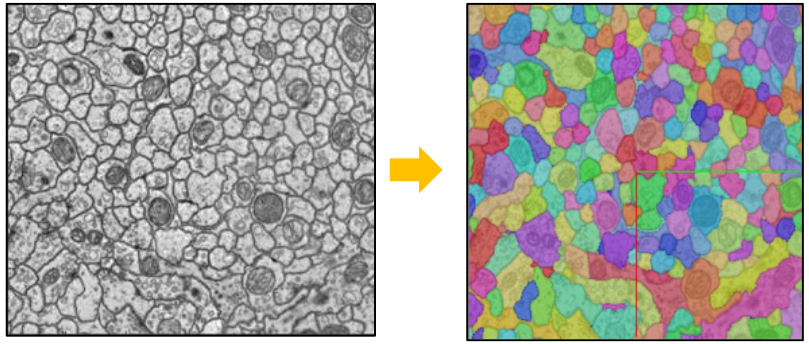
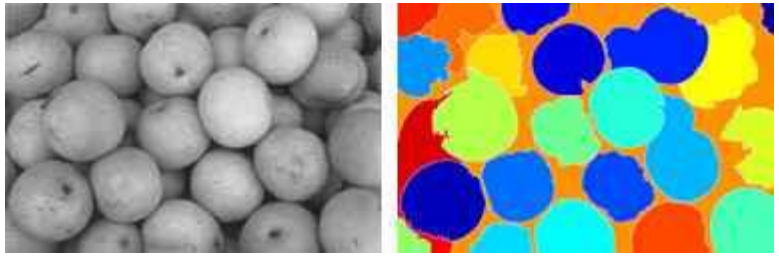


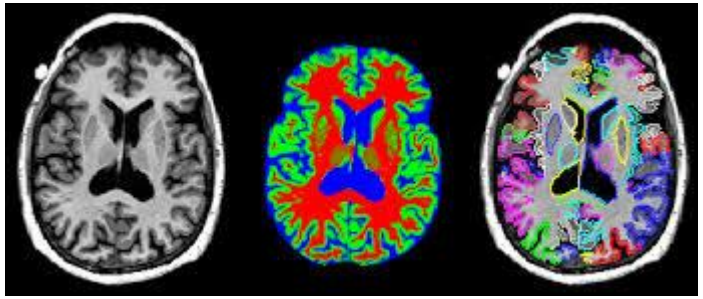
Image segmentation





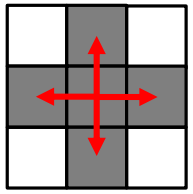






HW

- Simple image segmentation:
  - 4-connectivity:



- **HW: segment left image into 3 isolated islands and count their size.**