Lecture





The docstring for a class should summarize its behavior and list the public methods and instance variables. If the class is intended to be subclassed, and has an additional interface for subclasses, this interface should be listed separately (in the docstring). The class constructor should be documented in the docstring for its \_\_init\_\_ method. Individual methods should be documented by their own docstring.





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class TissueSample:
   """Class that represents a tissue sample.
   Attributes:
       patient (Patient): the patient associated with the tissue sample.
       organ (str): the organ associated with tissue sample.
       code (str): a unique alphanumeric sequence that identifies the tissue sample.
       diagnosis (str): the diagnosis associated with this tissue sample. By default,
           it is initialized to None when the instance is created.
   Methods:
       show data(): displays the four main properties of the tissue sample
           in a human-readable format.
   ** ** **
   def init (self, patient, organ, code):
       """Initalize the values of the instance attributes of an instance of TissueSample.
       Args:
           patient (Patient): the patient associated with the tissue sample.
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## **Documenting Classes**

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Only document the getters.

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def diagnosis(self):
    """Diagnosis associated with the tissue sample."""
    return self._diagnosis

@diagnosis.setter
def diagnosis(self, diagnosis):
    self._diagnosis = diagnosis
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