assign5_classes.py | assign5_main.py

aLeaf | (top)

```
1  ##############################################################################
2  # Jason Maynard
3  # U30503758
4  # Assignment 5
5  ##############################################################################
6  # These are the classes and methods used in the project.  This file
7  # is called by the main program to perform the calculations.
8  #
9  # References:
10 # My AI group - Nataliya Ivanova, Josh Philpott.
11 # The supporting website for the book found at http://aima.cs.berkeley.edu
12 # http://www.cs.bham.ac.uk/internal/courses/intro-ai/current/notes.php
13 #
14 ##############################################################################
15
16 import math
17 import copy  # https://docs.python.org/2/library/copy.html
18
19 # -----------------------------------------------------------------------------
20 class aLeaf:
```

assign5_classes.py | assign5_main.py

(top)

```
1  ##############################################################################
2  # Jason Maynard
3  # U30503758
4  # Assignment 5
5  ##############################################################################
6  # This is the main driver program.  It calls functions and classes from
7  # assign5_learning.py
8  #
9  # References:
10 # My AI group - Nataliya Ivanova, Josh Philpott.
11 # The supporting website for the book found at http://aima.cs.berkeley.edu
12 # http://www.cs.bham.ac.uk/internal/courses/intro-ai/current/notes.php
13 #
14 ##############################################################################
15
16 import assign5_classes as learn
17 import copy  # https://docs.python.org/2/library/copy.html
18
19 # Get the data ----------------------------------------------------------------
20 try:
21     with open ("input.txt") as the_file:
```

Debug I/O | Stack Data | Debug Probe | Watch | Exceptions | Breakpoints | Python Shell | OS Commands | Uses | Git | Bookmarks

Debug I/O (stdin, stdout, stderr) appears below — Options

```
Attributes:
Classification
BindType
StyleOfBook
ColorPictures
WellKnown
Length

Training data:
['Positive', 'Hardcover', 'Novel', 'Nocolor', 'Popular', 'Long']
['Positive', 'Softcover', 'Textbook', 'Nocolor', 'Popular', 'Long']
['Negative', 'Softcover', 'Novel', 'Nocolor', 'Popular', 'Short']
['Positive', 'Hardcover', 'Textbook', 'Color', 'Popular', 'Short']
['Positive', 'Hardcover', 'Photojournal', 'Color', 'Unknown', 'Short']
['Negative', 'Softcover', 'Textbook', 'Nocolor', 'Unknown', 'Short']
['Positive', 'Hardcover', 'Photojournal', 'Color', 'Popular', 'Long']
['Negative', 'Softcover', 'Novel', 'Color', 'Unknown', 'Short']

Test data:
['Softcover', 'Novel', 'Color', 'Unknown', 'Short']
['Hardcover', 'Textbook', 'Color', 'Popular', 'Short']

The classification results for the test data:
Negative
Positive
```