```
# 10tests.py
     import pandas as pd
     import numpy as np
 4
     from implementation_from_scratch import *
 5
    from weka_implementation import *
 6
     import weka.core.jvm as jvm
 7
    # Define a range of train/test split proportions
8
    proportions = [0.05, 0.15, 0.25, 0.35, 0.45, 0.55, 0.65, 0.75, 0.85, 0.95]
9
10
    jvm.start()
11
12
    # For each proportion
13 for split in proportions:
14
         # Read in the data
15
        data = pd.read csv('beer.csv')
16
17
         # declare Queue for Tree output storage
18
        Q = Queue()
19
         # Create tree
20
        createTree(data, split, mp.Event(), Q)
21
22
        # Get the tree output
23
        queue data = Q.get()
24
         root node = queue_data[0]
25
        test_data = queue_data[1]
26
27
         # Get the accuracy of the tree and test it
28
        python_accuracy = test_tree(root_node, test_data, split)
29
30
         # Build and test the weka tree
31
        weka_accuracy, weka_time_to_build = build_weka(split)
32
33
    jvm.stop()
```