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CSE 4309-001
12/13/2021

Task 2.
    a. 0.72192
    b. 0.12276
    c. The information gain at node E is 0
    d. They end up at Node F and the output is "will wait"
    e. They end up at Node H and the output is "will not wait"

Task 3.
The information gain of each attribute at the root is
A - 0.400
B - 0.151
C - 0.315
A achieves the highest information gain at the root

Task 4.
    a. Highest = 2
       Lowest = 0
    b. Highest = 2
       Lowest = 0

Task 5.
An accuracy of better than 60% can not be guaranteed, but if we created our decision tree forest to maximize information gain we could increase the current accuracy of the binary classifier.