

CSE422: Artificial Intelligence  
Quiz  
Fall 2024

Day	Result	Study	Exam	Emotion
1	Pass	Yes	Good	Happy
2	Fail	Yes	Good	Sad
3	Pass	Yes	Bad	Happy
4	Pass	Yes	Bad	Happy
5	Fail	No	Bad	Sad
6	Pass	No	Good	Happy
7	Fail	No	Good	Sad
8	Pass	No	Bad	Happy
9	Pass	Yes	Good	Sad
10	Fail	No	Bad	Sad
11	Fail	No	Good	Sad
12	Pass	Yes	Bad	Happy
13	Fail	No	Bad	Happy

-From the table given above, if you were to form a decision tree to classify 'Result', between the features 'Study' and 'Exam', which one would you pick at the root node?