Question 1

You are given the following training data:

	WRITABLE	UPDATED	SIZE	CLASS
1	yes	no	small	text
2	yes	yes	large	text
3	no	yes	med	text
4	no	no	med	executable
5	yes	no	large	executable
6	no	no	large	executable

The target attribute is CLASS.

1

Compute the decision tree generated by first considering WRITABLE, then UPDATED, then SIZE.

2

What tree is generated by using ID3?

3

How would these trees classify the following two instances:

	WRITABLE	UPDATED	SIZE	CLASS
1	yes	yes	large	?
2	no	no	small	?