**2. What was the feature that my\_decision\_tree first split on while making the prediction for test\_data[0]?**

emp\_length.4 years

grade.A

**term. 36 months**

home\_ownership.MORTGAGE

**3. What was the first feature that lead to a right split of test\_data[0]?**

emp\_length.< 1 year

emp\_length.10+ years

grade.B

**grade.D**

**4. What was the last feature split on before reaching a leaf node for test\_data[0]?**

**grade.D**

grade.B

term. 36 months

grade.A

**5. Rounded to 2nd decimal point (e.g. 0.76), what is the classification error of my\_decision\_tree on the test\_data?**

0.38

**6. What is the feature that is used for the split at the root node?**

grade.A

**term. 36 months**

term. 60 months

home\_ownership.OWN

**7. What is the path of the first 3 feature splits considered along the left-most branch of my\_decision\_tree?**

**term. 36 months, grade.A, grade.B**

term. 36 months, grade.A, emp\_length.4 years

term. 36 months, grade.A, no third feature because second split resulted in leaf

**8. What is the path of the first 3 feature splits considered along the right-most branch of my\_decision\_tree?**

term. 36 months, grade.D, grade.B

term. 36 months, grade.D, home\_ownership.OWN

**term. 36 months, grade.D, no third feature because second split resulted in leaf**