Q.1.1 Why does it makes sense to discretize columns for this prediction problem?

We do it so as to be able to properly utilize the columns and prevent any errors in the deployment of the model.

Q.1.2 What might be the issues (if any) if we DID NOT discretize the columns.

You would get unreliable results that may be skewed.

Q.8.1 How long was your total run time to train the model?

Roughly 20 seconds

Q.8.2 Did you find the BEST TREE?

Yes, Tree 4

Q.8.3 Draw the Graph of the BEST TREE Using GraphViz

See code

Q.8.4 What makes it the best tree?

Tree 4 had the highest accuracy of roughly 84.22%