1. **Overview** of the analysis: Explain the purpose of this analysis.

The nonprofit wanted a tool to select applicants for funding. A binary classifier is needed for this purpose.

1. **Results**: Using bulleted lists and images to support your answers, address the following questions:

* Data Preprocessing
  + What variable(s) are the target(s) for your model?
    - EIN and NAME were removed from the dataset.
  + What variable(s) are the features for your model?
    - All other variables were considered for the analysis.
  + What variable(s) should be removed from the input data because they are neither targets nor features?
    - All variables seem to carry weight.
* Compiling, Training, and Evaluating the Model
  + How many neurons, layers, and activation functions did you select for your neural network model, and why?
    - Used 2 hidden layers and one output layer. 1st layer has 80 nodes, and 2nd layer has 30 nodes. I only used relu function since it is typically the one with best results.
  + Were you able to achieve the target model performance?
    - I was able to achieve 73%
  + What steps did you take in your attempts to increase model performance?
    - I played with Epochs, number of nodes. The model flattens out pretty quick, thus increasing layers and epochs do not do much.

1. **Summary**: Summarize the overall results of the deep learning model. Include a recommendation for how a different model could solve this classification problem, and then explain your recommendation.

Potentially increasing the number of layers may help the model, but it will slow it down significantly. Perhaps using the keras tuner will help improve the accuracy expected of the model so that the best activation function and number of layers/nodes is considered .