**Lab 3 Assignment**

**Nagulapati, Rohith Kumar,16**

**Nandigam, Nageswara Rao,17**

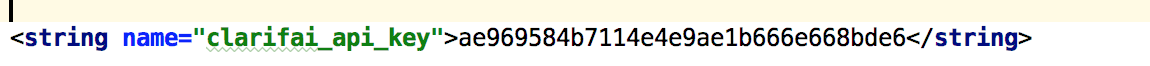
1. **Application built using Clarifai API:**

**Objective:** The objective of the application is to get fuzzy classification for the selected image using Clarifai API

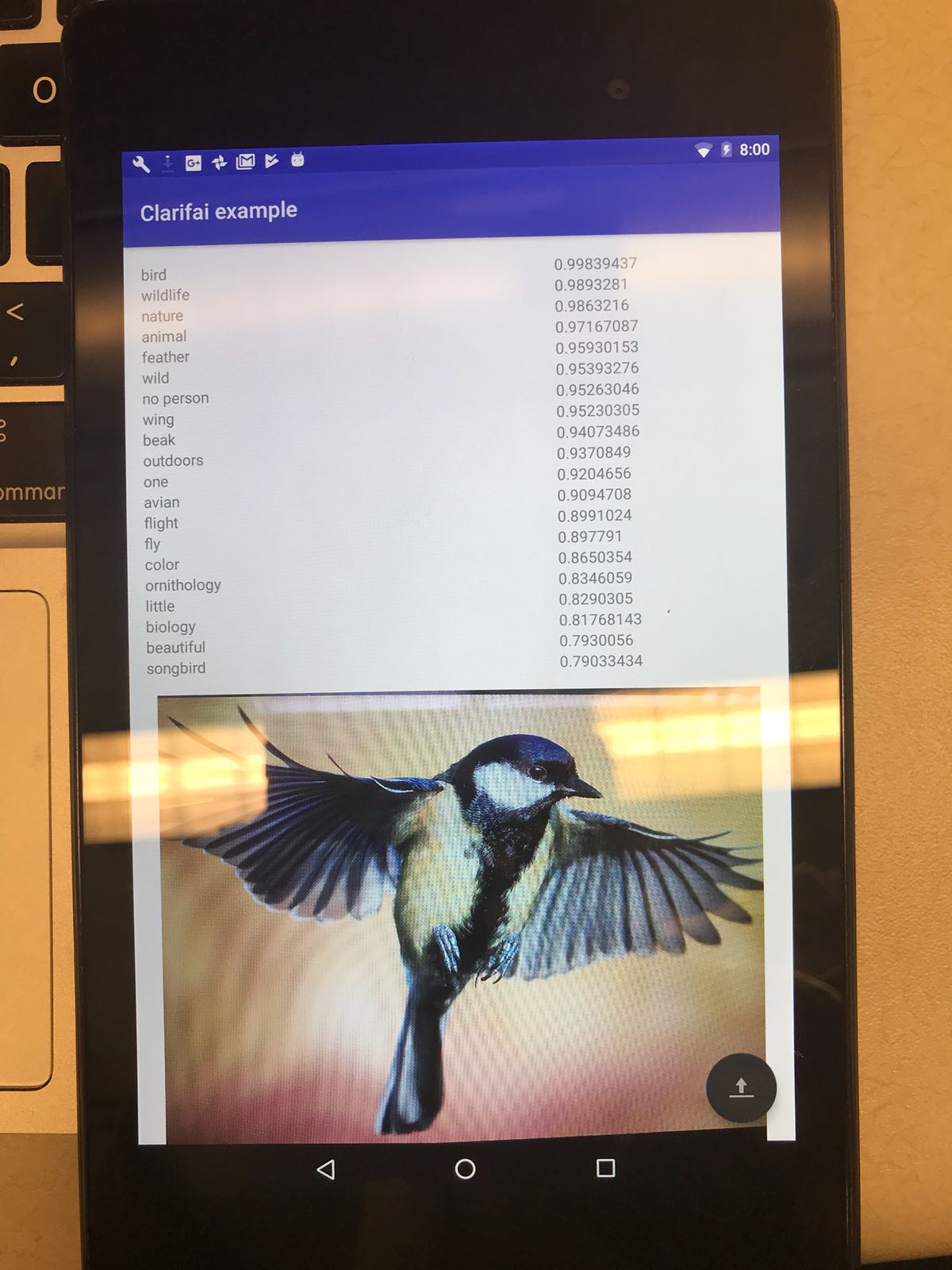
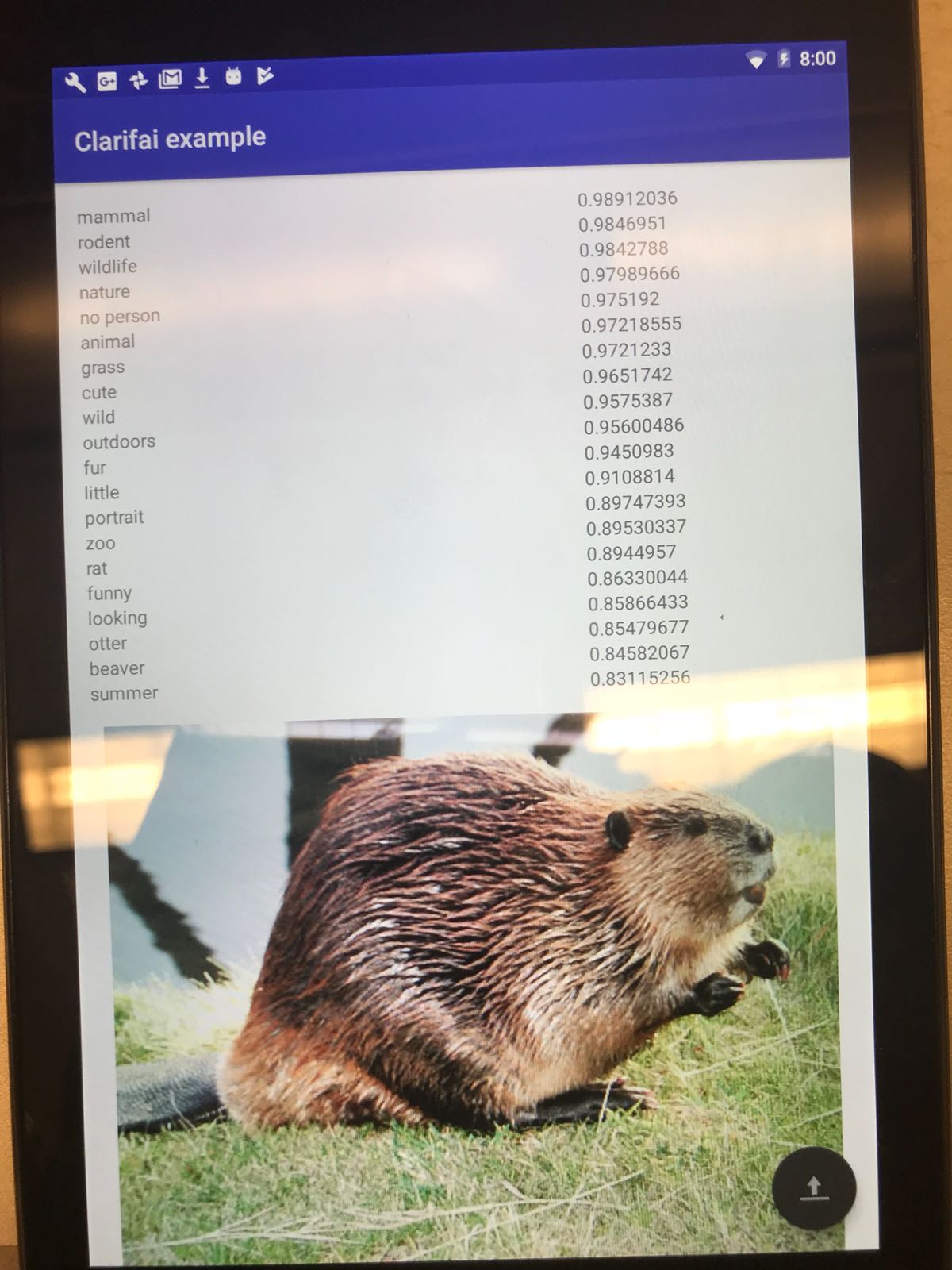
**Code snippet for handling predictions from Clarifai:**

**final** List<ClarifaiOutput<Concept>> predictions = response.get();  
   
 **if** (predictions.isEmpty()) {  
 showErrorSnackbar(R.string.***no\_results\_from\_api***);  
 **return**;  
 }  
 **adapter**.setData(predictions.get(0).data());  
 **imageView**.setImageBitmap(BitmapFactory.*decodeByteArray*(imageBytes, 0, imageBytes.**length**));  
}

**Code Snippet for adding clarifai key to the application:**

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**Output:**

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1. **Application built using Spark API**

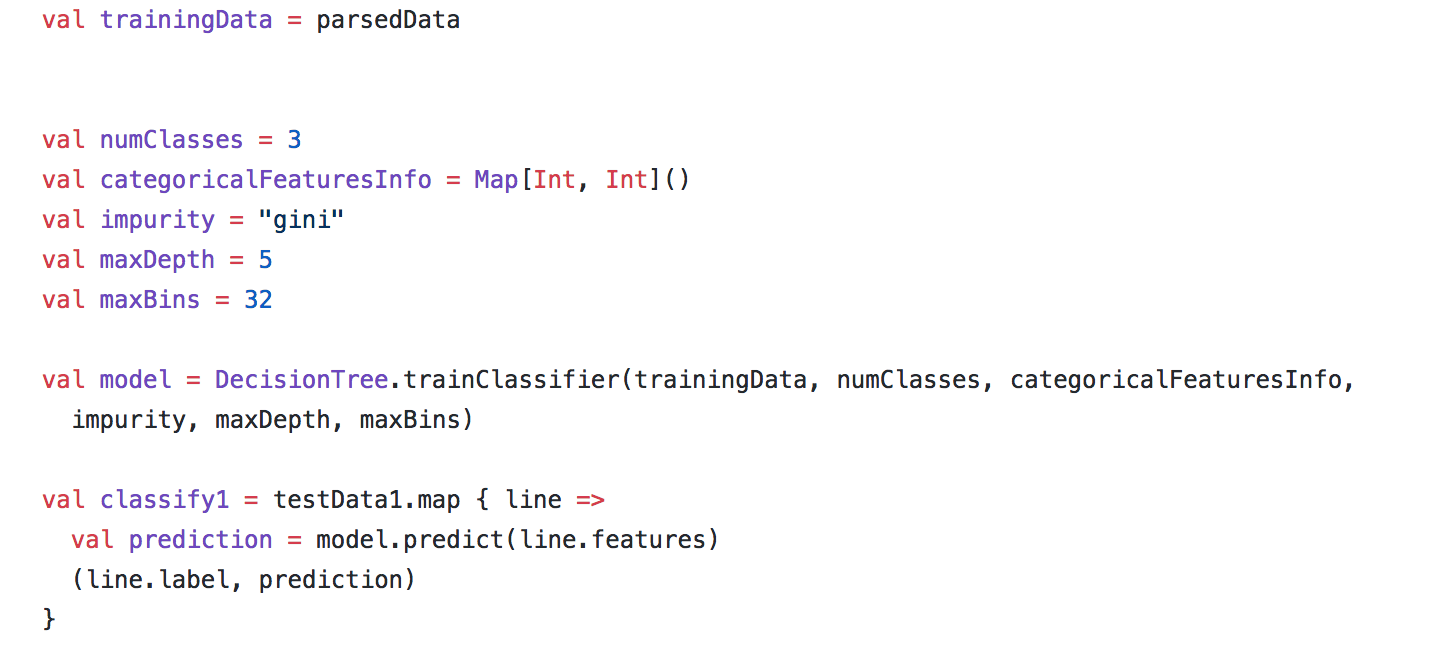
**Objective:** Application to demonstrate our own fuzzy classification results for various classification algorithms like Naïve Bayes, Decision Tree and Random Forest

**Code snippet to show how to display fuzzy prediction results:**

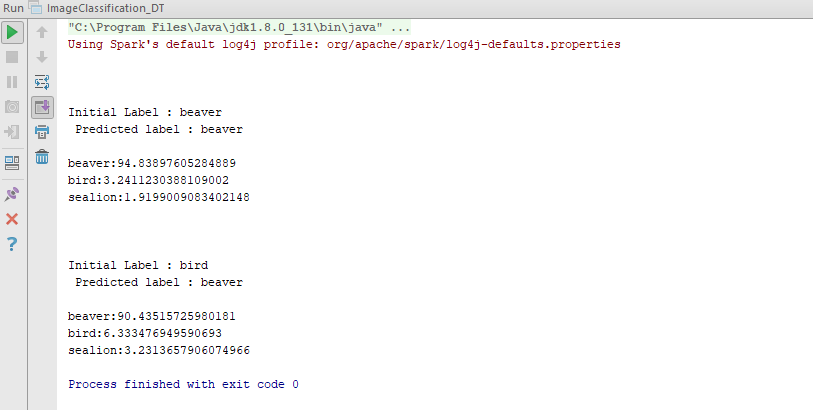
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**Decision Tree:**

Code snippet to build Decision Tree model with the below parameters

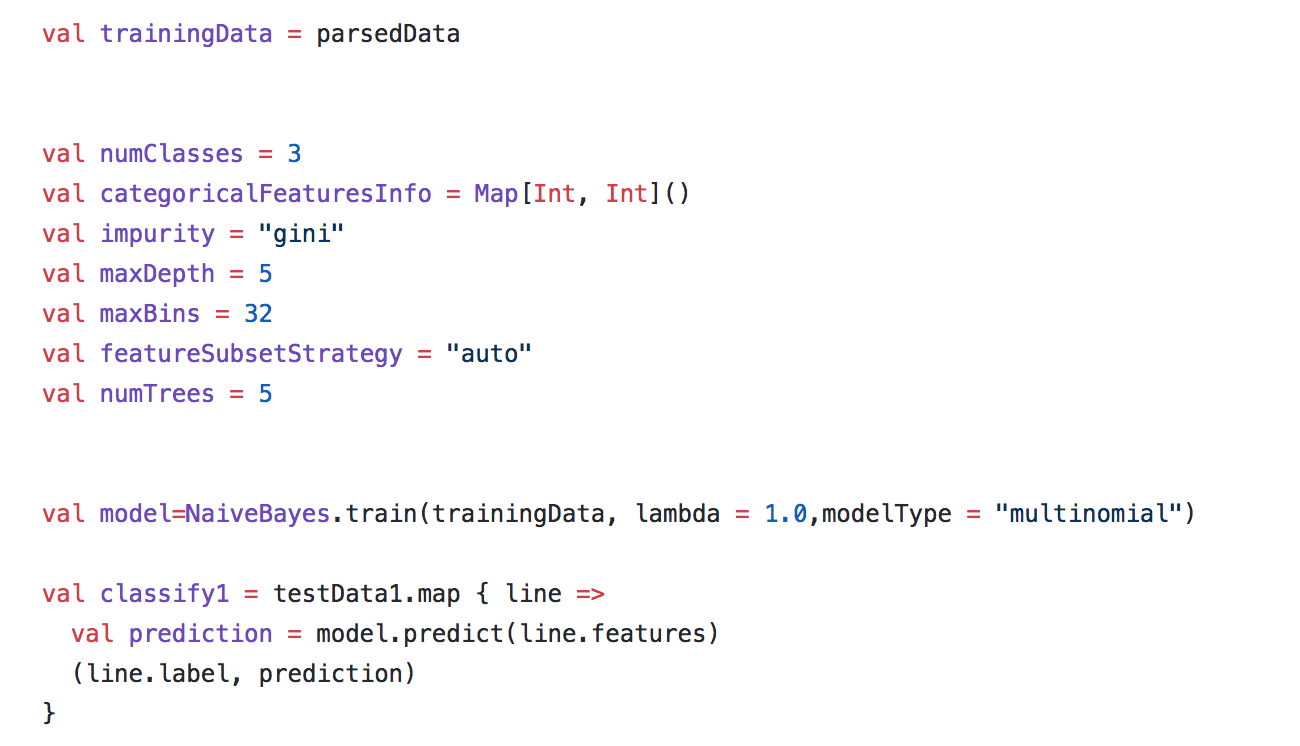
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**Decision Tree Fuzzy Classification Results:**

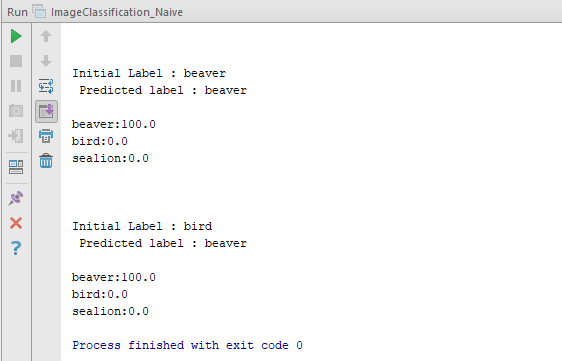
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**Naïve Bayes:**

Code snippet to build Naïve Bayes model with the below parameters

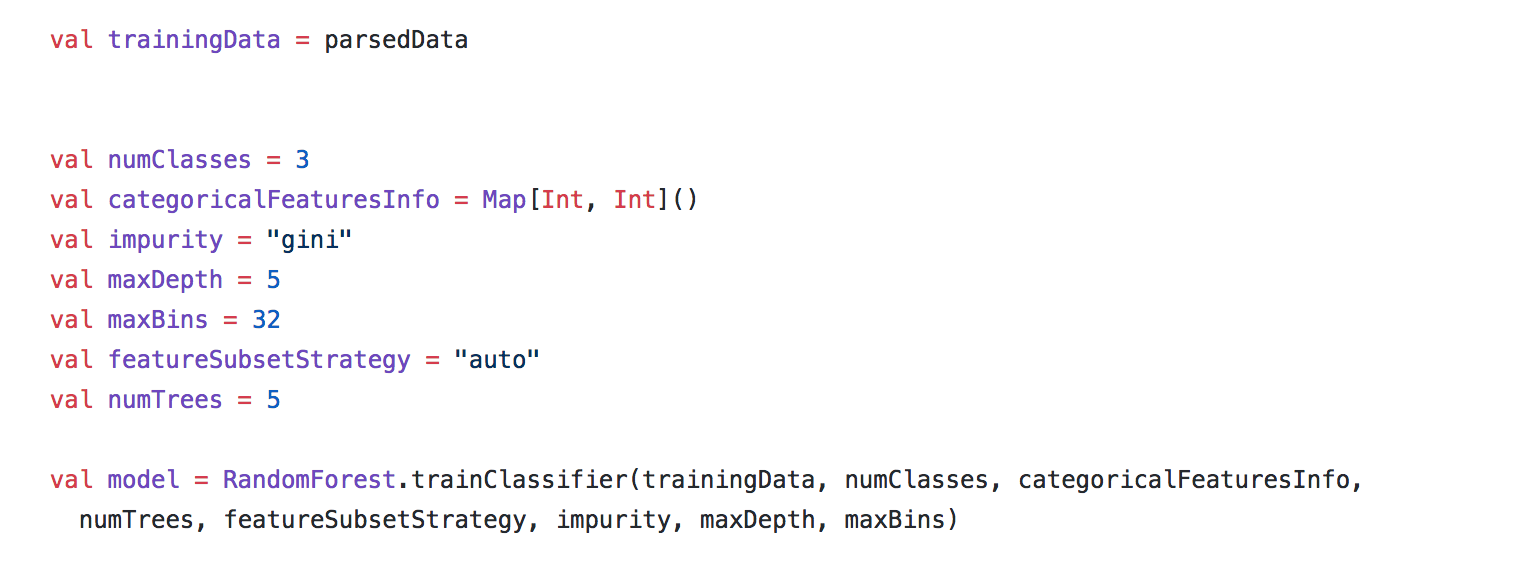
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**Naïve Bayes Fuzzy Classification Results:**

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**Random Forest:**

Code snippet to build Random Forest model with the below parameters



**Random Forest Fuzzy Classification Results:**

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