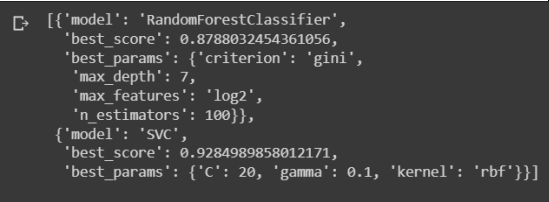
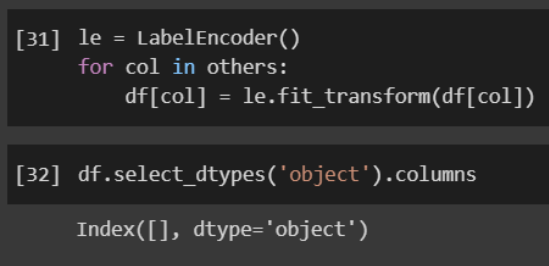


Project Development Phase
Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID21456
Project Name	Project - Corporate Employee Attrition Analytics
Maximum Marks	10 Marks

Model Performance Testing:

S No	Parameter	Values	Screenshot
1.	Metrics	Classification Model: Confusion Matrix - Accuracy - Score- Classification Report	Confusion matrix Accuracy  <pre>[{'model': 'RandomForestClassifier', 'best_score': 0.8788032454361056, 'best_params': {'criterion': 'gini', 'max_depth': 7, 'max_features': 'log2', 'n_estimators': 100}}, {'model': 'SVC', 'best_score': 0.9284989858012171, 'best_params': {'C': 20, 'gamma': 0.1, 'kernel': 'rbf'}}]</pre>
2.	Tune the Model	Hyper parameters Number of trees - Number of features	Data Wrangling  <pre>[31] le = LabelEncoder() for col in others: df[col] = le.fit_transform(df[col]) [32] df.select_dtypes('object').columns Index([], dtype='object')</pre>