```
                                        import pandas as pd
                    from sklearn.preprocessing import LabelEncoder
                                       import seaborn as sns
                   from sklearn.preprocessing import OneHotEncoder

                           ("df16 = pd.read_csv("day16_encoding.csv

                                          ()le_city = LabelEncoder
          (["df16["city_label"] = le_city.fit_transform(df16["city
                                 (_print("Classes:", le_city.classes


  ("ohe = OneHotEncoder(sparse_output=True, handle_unknown="ignore
                  (([["city_encoded = ohe.fit_transform(df16[["city
        print("Encoded shape:", city_encoded.shape, "Categories:",
                                                 (_ohe.categories



                                                              """
                                    Day 16 Activity: Encoding Practice
                                                          :Tasks
                                          Load categorical dataset (1
                      Apply label encoding and one-hot encoding (2
                        Compare model behavior or summary stats (3
                                                              """

                                        import pandas as pd
                    from sklearn.preprocessing import LabelEncoder

                     TODO: Load data from data/day16_encoding.csv #
                                       (...)df = pd.read_csv #

                                    TODO: Label encode city #
                                  TODO: One-hot encode city #
                                     TODO: Compare outputs #
```