```
for i, row in df.iterrows():
                                                                                                                                                                                                                            predictions = []
                                                                                                                                                                                                                                                                                           df["Sex"] = np.where(df["Sex"] == "male", 0, 1)
                                                                                                                                                                                                                                                                                                                                                           df["Embarked"] = df["Embarked"].fillna(df["Embarked"].mode()[0])
                                                                                                                                                                                                                                                                                                                                                                                          df["Fare"] = df["Fare"].fillna(df["Fare"].median())
                                                                                                                                                                                                                                                                                                                                                                                                                          df["Age"] = df["Age"].fillna(df["Age"].median())
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            df.columns = [c.strip() for c in df.columns]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               df = pd.read_csv("Titanic-Dataset.csv")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                import matplotlib.pyplot as plt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              import numpy as np
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  import pandas as pd
                                                                                                                                                              if row["Sex"] == 1:
                                                                                               elif row["Pclass"] == 1 and row["Age"] < 50:
                                                                                                                             predictions.append(1)
predictions.append(0)
                                                             predictions.append(1)
```

accuracy = correct_predictions / total_passengers

correct_predictions = (df["Predicted"] == df["Survived"]).sum()

total_passengers = len(df)

plt.figure(figsize=(12, 10))

print("Accuracy:", round(accuracy, 3))

print("Correct Predictions:", correct_predictions)

print("Total Passengers:", total_passengers)

df["Predicted"] = predictions

plt.tight_layout(rect=[0, 0, 1, 0.95])

plt.suptitle(f"Titanic Survival Prediction Dashboard\nAccuracy = {round(accuracy, 3)}", fontsize=16)

plt.show()



