In [5]:
```python
# Step 1: Import Libraries
import pandas as pd
import numpy as np
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import classification_report, roc_auc_score
import seaborn as sns
import matplotlib.pyplot as plt

# Step 2: Load Dataset
url = "https://raw.githubusercontent.com/datasciencedojo/datasets/master/titanic
df = pd.read_csv(url)

# Step 3: Preprocess Dataset
df = df[['Pclass', 'Sex', 'Age', 'SibSp', 'Parch', 'Fare', 'Survived']]
df.dropna(inplace=True)
df['Sex'] = df['Sex'].map({'male': 0, 'female': 1})

# Step 4: Feature Selection
X = df.drop('Survived', axis=1)
y = df['Survived']

# Step 5: Train-Test Split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_

# Step 6: Train Model
model = LogisticRegression()
model.fit(X_train, y_train)

# Step 7: Evaluate Model
y_pred = model.predict(X_test)
print("Classification Report:\n", classification_report(y_test, y_pred))
print("ROC-AUC Score:", roc_auc_score(y_test, model.predict_proba(X_test)[:, 1])
```

```
Classification Report:
               precision    recall  f1-score   support

           0       0.78      0.82      0.80        87
           1       0.69      0.64      0.67        56

    accuracy                           0.75       143
   macro avg       0.74      0.73      0.73       143
weighted avg       0.75      0.75      0.75       143

ROC-AUC Score: 0.8163998357963875
```

In [ ]: