RANDOM FOREST

Questions:

1. How well does the model perform overall?
   Accuracy-0.89
2. When the model predicted a positive outcome, how often was it correct?
   Precision- **0.92, 0.85**
3. When the class was actually TRUE, how often did the classifier get it right?
   Recall-0.91, 0.85
4. What percentage of the model's positive predictions was correct?
   Precision-92%,85%
5. Of all the actual positive cases, how many did the model correctly identify as purchased? **Recall-0.91**
6. How well a model balances precision and recall?
   F1-Score-0.92, 0.84
7. What is the classifier's performance across all classes by averaging the performance metrics?
   Macro Average- **'precision': 0.88, 'recall': 0.88, 'f1-score': 0.88, 'support': 120.0**
8. How well does the classifier perform in all classes when calculating the performance metrics?
   Weighted Average- 'precision': 0.89, 'recall': 0.89, 'f1-score': 0.89, 'support': 120.0