Support Vector Machine Classifier

Questions:

1. How well does the model perform overall?
   Accuracy-0.79
2. When the model predicted a positive outcome, how often was it correct?
   Precision- 0.77, 0.90
3. When the class was actually TRUE, how often did the classifier get it right?
   Recall-0.97, 0.44
4. What percentage of the model's positive predictions was correct?
   Precision-77%,90%
5. Of all the actual positive cases, how many did the model correctly identify as purchased? **Recall-0.97**
6. How well a model balances precision and recall?
   F1-Score-0.86, 0.59
7. What is the classifier's performance across all classes by averaging the performance metrics?
   Macro Average- 'precision': 0.83, 'recall': 0.71, 'f1-score': 0.73, 'support': 120.0
8. How well does the classifier perform in all classes when calculating the performance metrics?
   Weighted Average- 'precision': 0.81, 'recall': 0.79, 'f1-score': 0.77, 'support': 120.0