Questions for the Classification Report

Random Forest:

	precision	recall	f1-score	support
0	0.93	0.92	0.92	85
1	0.86	0.88	0.87	49
accuracy			0.90	134
macro avg	0.89	0.90	0.90	134
weighted avg	0.90	0.90	0.90	134

1) What is the percentage of correct classification for both '0' & '1' - **0.90**

2) What is the percentage of '0' correct classification of '0' to the I/P of '0' in test set? - **0.92**

3) What is the percentage of '1' correct classification of '1' to the I/P of '1' in test set? – **0.88**

4) What is the percentage of correct classification of '0' to the sum of correct classified as '0' & wrongly classified as '0' in the test set **- 0.93**

5) What is the percentage of correct classification of '1' to the sum of correct classified as '1' & wrongly classified as '1' in the test set **- 0.86**

6) What is the overall performance of '0' **- 0.92**

7) What is the overall performance of '1' **- 0.87**

8) What is the sum of product of proportion rate of each class - **0.90**

9) What is the total number of test samples (support) used in evaluation **- 134**

10) What is the number of test samples (support) for class '0' – **85**

11) What is the number of test samples (support) for class '1' – **49**

Decision Tree:

	precision	recall	f1-score	support
0	0.90	0.89	0.90	85
1	0.82	0.84	0.83	49
accuracy			0.87	134
macro avg	0.86	0.87	0.86	134
weighted avg	0.87	0.87	0.87	134

1) What is the percentage of correct classification for both '0' & '1' - **0.87**

2) What is the percentage of '0' correct classification of '0' to the I/P of '0' in test set? - **0.89**

3) What is the percentage of '1' correct classification of '1' to the I/P of '1' in test set? – **0.84**

4) What is the percentage of correct classification of '0' to the sum of correct classified as '0' & wrongly classified as '0' in the test set - **0.90**

5) What is the percentage of correct classification of '1' to the sum of correct classified as '1' & wrongly classified as '1' in the test set - **0.82**

6) What is the overall performance of '0' - **0.90**

7) What is the overall performance of '1' - **0.83**

8) What is the sum of product of proportion rate of each class - **0.87**

9) What is the total number of test samples (support) used in evaluation - **134**

10) What is the number of test samples (support) for class '0' – **85**

11) What is the number of test samples (support) for class '1' – **49**

SVM:

	precision	recall	f1-score	support
0	0.76	0.96	0.85	85
1	0.88	0.47	0.61	49
accuracy			0.78	134
macro avg	0.82	0.72	0.73	134
weighted avg	0.81	0.78	0.76	134

1) What is the percentage of correct classification for both '0' & '1' - **0.78**

2) What is the percentage of '0' correct classification of '0' to the I/P of '0' in test set? - **0.96**

3) What is the percentage of '1' correct classification of '1' to the I/P of '1' in test set? – **0.47**

4) What is the percentage of correct classification of '0' to the sum of correct classified as '0' & wrongly classified as '0' in the test set - **0.76**

5) What is the percentage of correct classification of '1' to the sum of correct classified as '1' & wrongly classified as '1' in the test set - **0.88**

6) What is the overall performance of '0' - **0.85**

7) What is the overall performance of '1' - **0.81**

8) What is the sum of product of proportion rate of each class - **0.76**

9) What is the total number of test samples (support) used in evaluation - **134**

10)   What is the number of test samples (support) for class '0' – **85**

11)   What is the number of test samples (support) for class '1' – **49**