CS 539: Machine Learning Assignment 1
Part 2

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1 Task 2.1

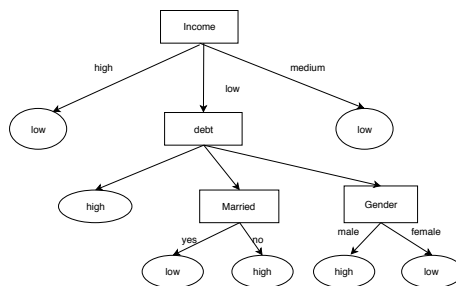The decision tree of the credit task is illustrated in figure 1.

Figure 1: Decision Tree plot

The predicted results for Tom and Ana are illustrated in table 1.

Table 1: Decision Tree 1 Predict Result

Name	Credit Risk
Tom	low
Ana	low

2 Task 2.2

After changing the credit risk of the Sofia from low to high, the decision tree is illustrated in figure 2.
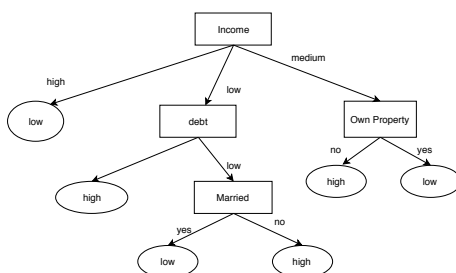

Figure 2: Decision Tree plot

The predicted results for Tom and Ana are illustrated in table 2.

Table 2: Decision Tree 2 Predict Result

Name	Credit Risk
Tom	low
Ana	low