Assignment No 2

Example 1: Consider below given data set involving discrete data range values having profit as an categorical (class) attribute with values {UP,DOWN}

Age	Competition	Type	Profit
old	Yes	Software	Down
old	No	Software	Down
old	No	Hardware	Down
mid	Yes	Software	Down
mid	Yes	Hardware	Down
mid	No	Hardware	Up
mid	No	Software	Up
new	Yes	Software	Up
new	No	Hardware	Up
new	No	Software	Up

1. Apply decision tree induction algorithm to construct decision Tree.
2. Write Rules from decision tree.

Guideline for submission:

1. Solve Example on A4 Size paper by using pen.
2. Scan sheets/Pages & Upload same on Schoology.
3. Don't Copy Paste of someone bcz I have Viper Tool to check Copy Paste.
4. Go through the videos posted in schoology section and try to understand each and every step of ID3 algorithm and then try to solve assignment questions.
5. Late date of Submission is 30/04/2020. (Late submitted assignments not considered for gradation).