

Lab 2:ID3 Decision Tree

Output:

Entropy and Information Gain for each feature:

Feature: Outlook | Entropy: 0.9403 | Information Gain: 0.2467

Feature: Temperature | Entropy: 0.9403 | Information Gain: 0.0292

Feature: Humidity | Entropy: 0.9403 | Information Gain: 0.1518

Feature: Windy | Entropy: 0.9403 | Information Gain: 0.0481

Decision Tree:

Outlook:

Sunny ->

Humidity:

High ->

No

Normal ->

Yes

Overcast ->

Yes

Rain ->

Windy:

No ->

Yes

Yes ->

No
