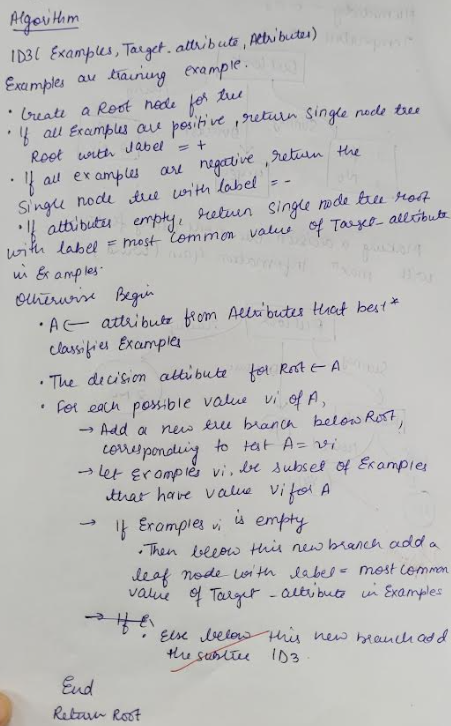
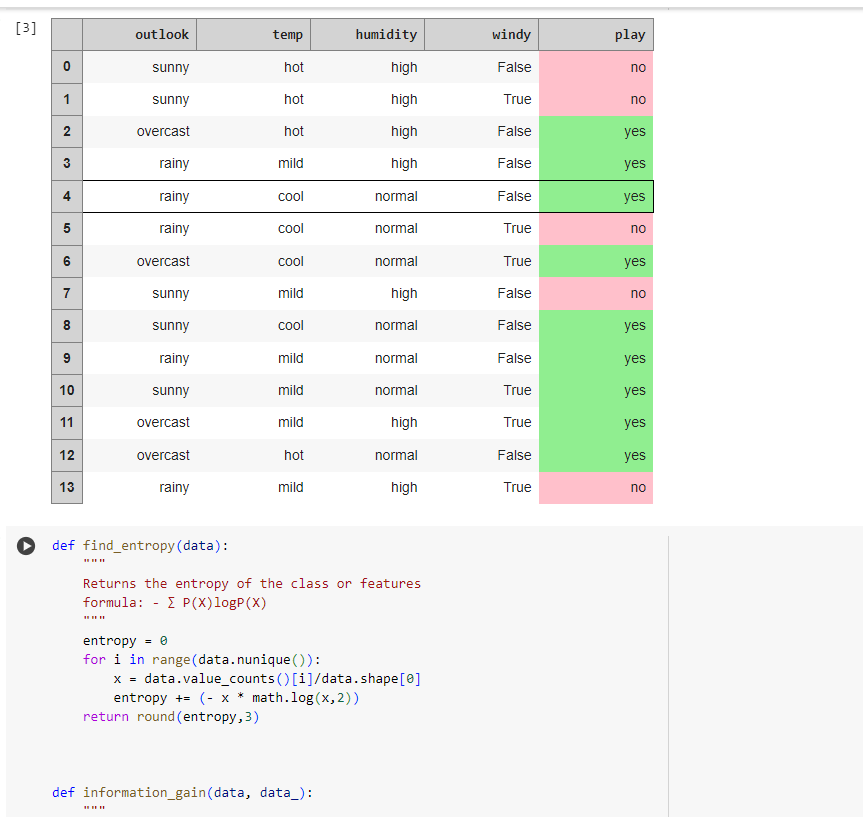
12 April 2024 1BM21CS086

**Building ID3 and Applying the knowledge to classify a new sample**

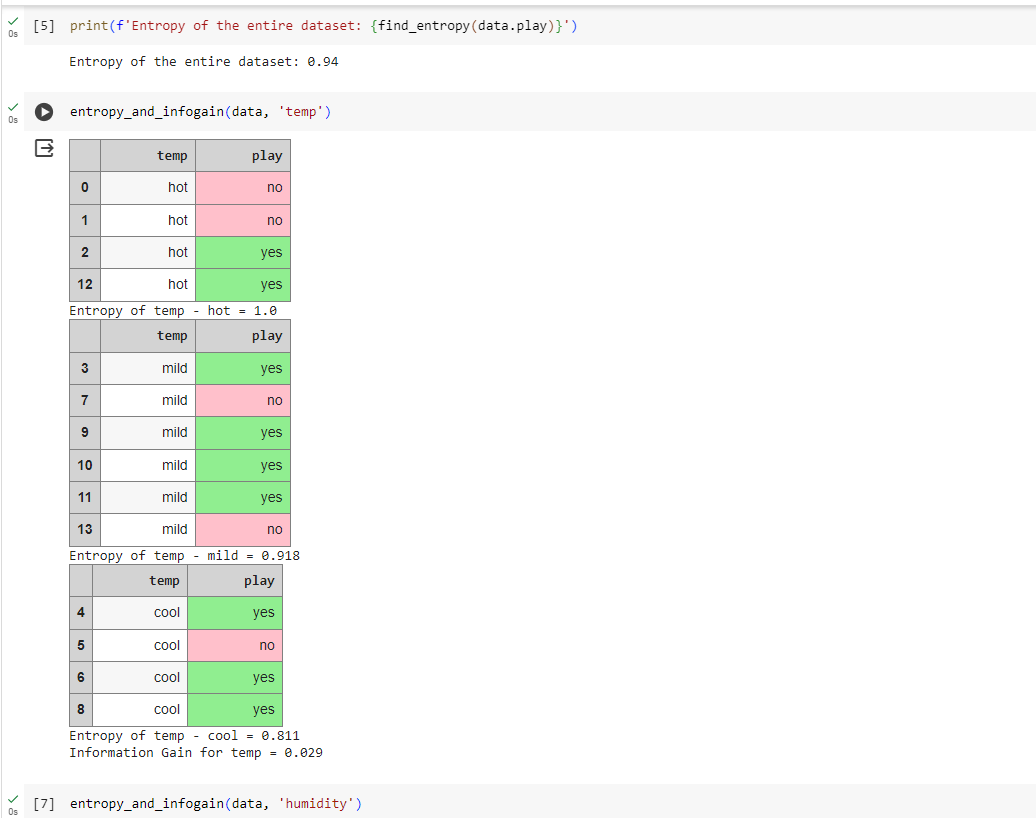
**Algorithm Screenshot**

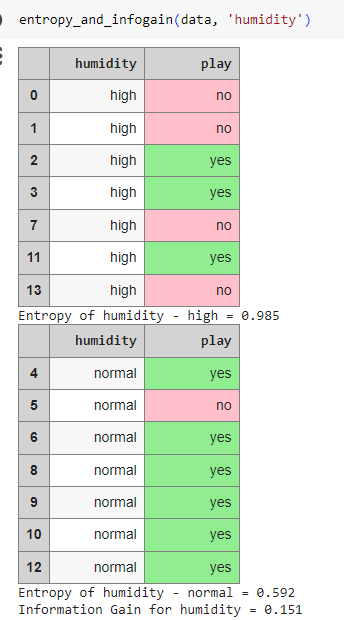
**Code Screenshot and Output:**

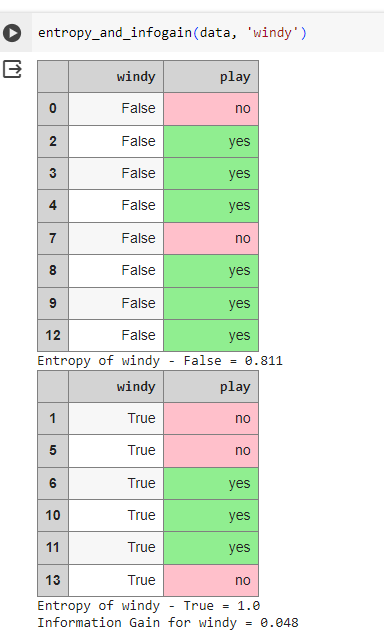


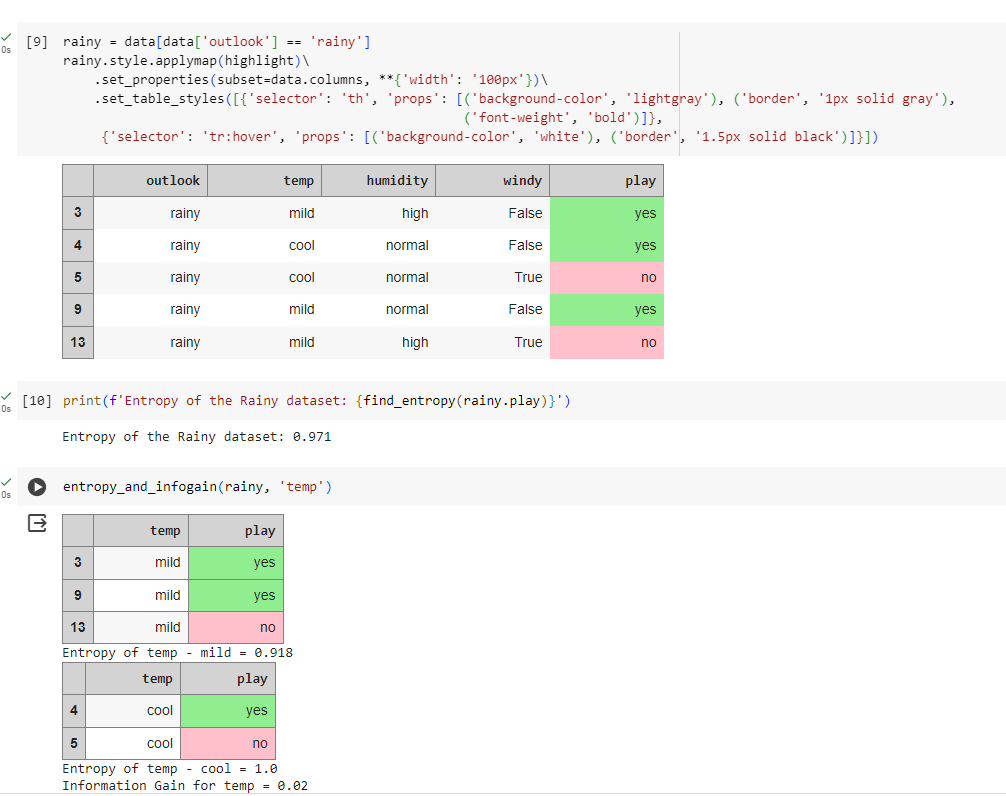




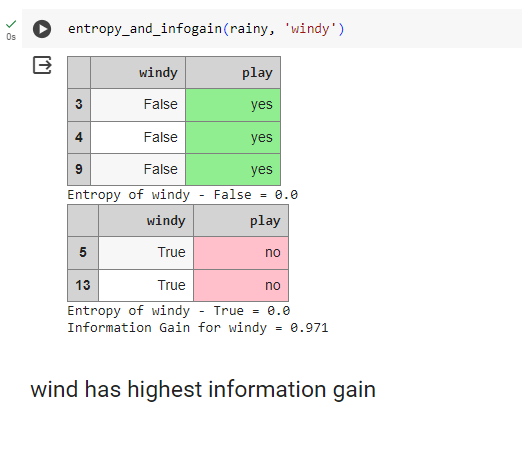




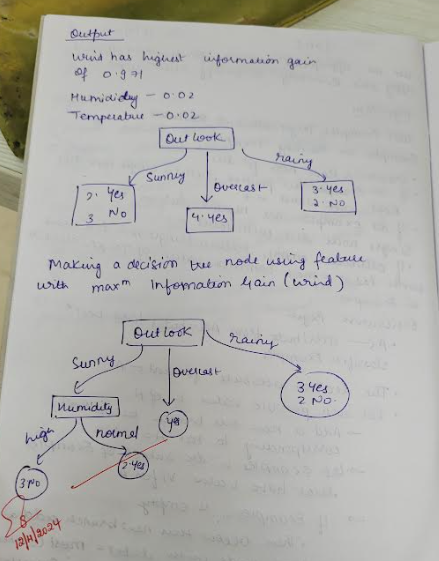








**Output:**

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