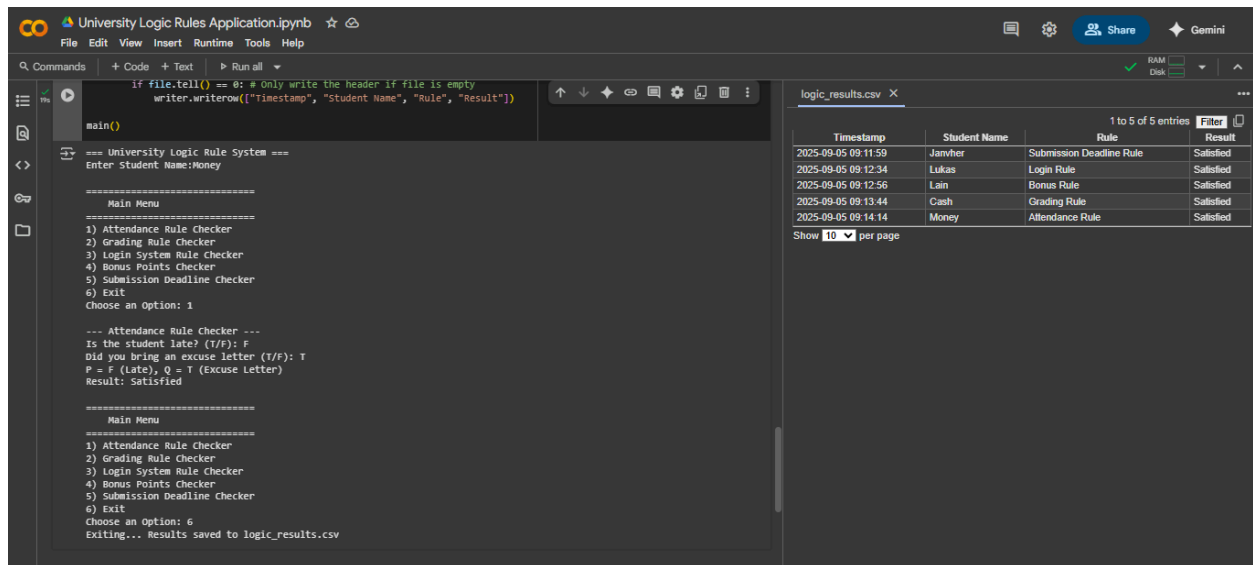# Short Report on University Logic Rules Application

The University Logic Rules Application was designed as a simple expert system that applies logical reasoning to common university-related scenarios. The system tests different rules using logical operators, primarily implication, to determine whether a student's actions satisfy or violate a given requirement. Each rule records its results in a CSV file for tracking and accountability.

Rules Tested:

1. **Attendance Rule** – This rule checks if a student is late and whether they provide an excuse letter. The logic follows that if a student is late, then they must submit an excuse letter; otherwise, the rule is violated.

2. **Grading Rule** – This rule evaluates whether a student's grade meets the minimum passing requirement of 75. If the grade is at least 75, the student passes; otherwise, the rule indicates a violation.

3. **Login System Rule** – This rule simulates a password-checking system. If the student enters the correct password, access is granted; if not, the rule is violated.

4. **Bonus Points Rule** – This rule checks whether a student has regular attendance. If regular attendance is maintained, the student becomes eligible for bonus points.

Imaged below:

New Rule Added:

 5. **Submission Deadline Rule** – This new rule ensures fairness in assignment submissions. The logic is that a submission is valid if it is turned in on time, or if it is late but accepted by the professor. If neither condition is met (i.e., the submission is late and not accepted), the rule is violated. This addition strengthens the system by covering academic integrity and discipline related to deadlines, which is an essential aspect of university policy.