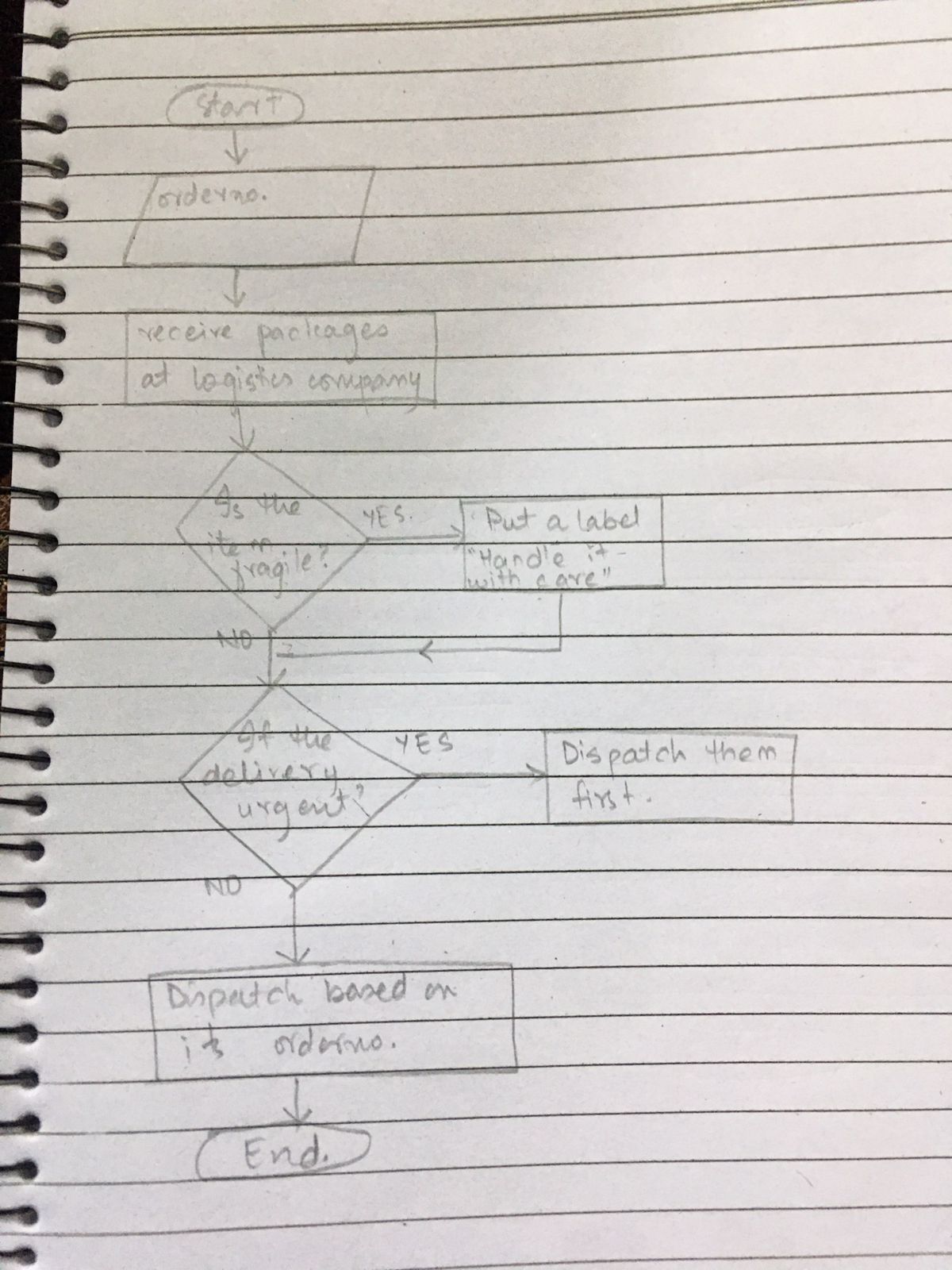
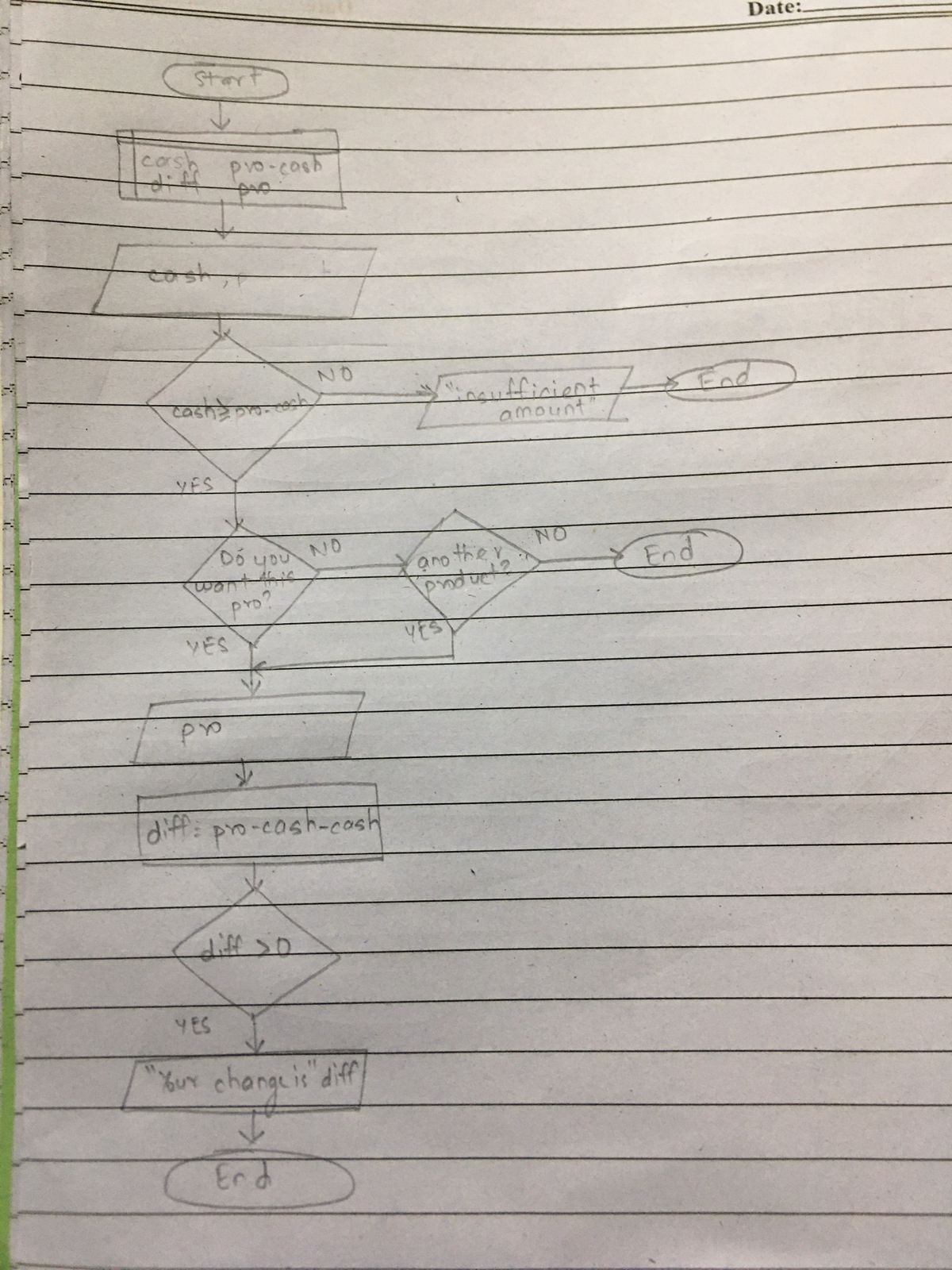
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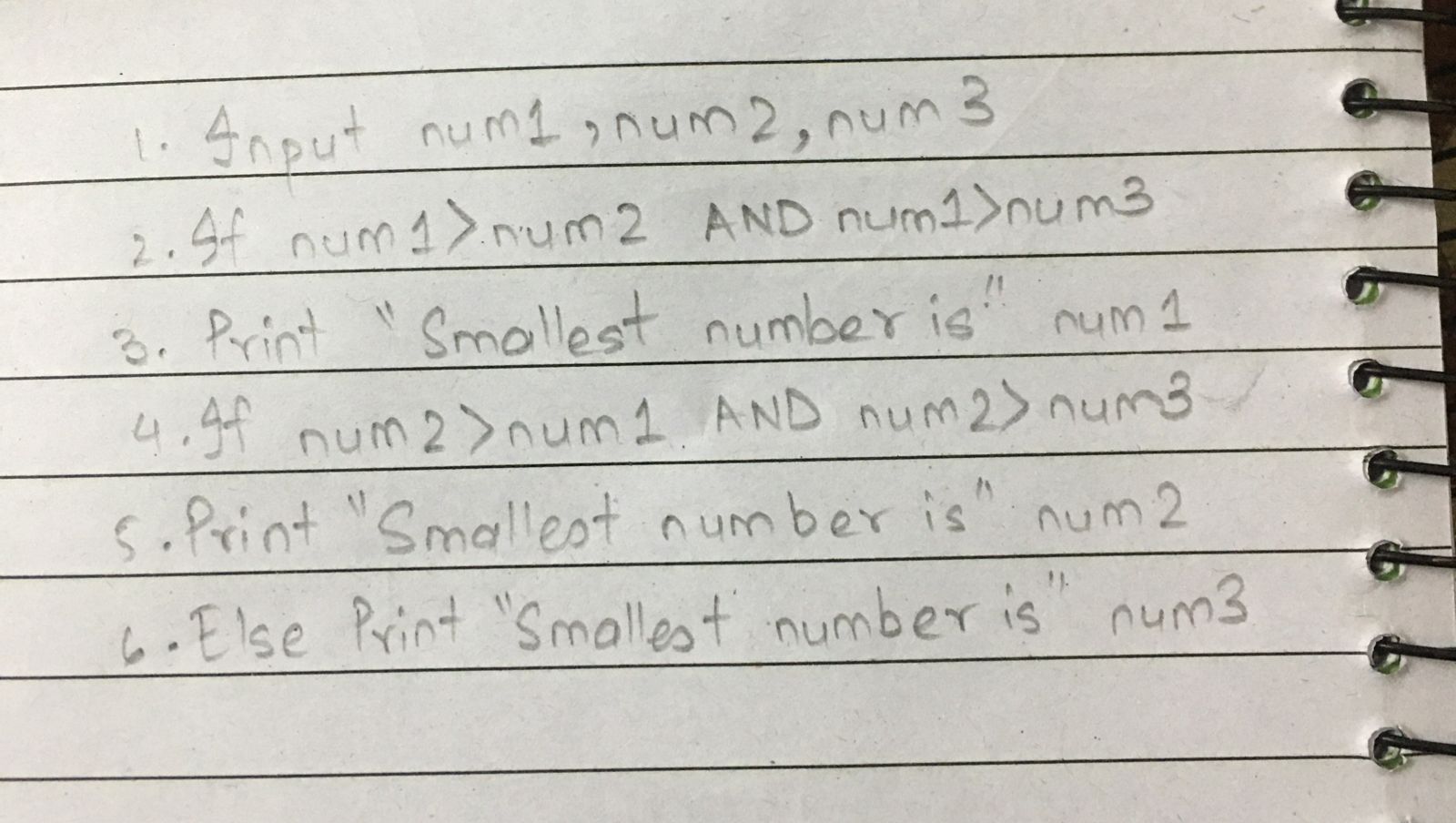
Q1. You are working in a logistics company responsible for delivering packages. Design a flowchart to manage the process of receiving, sorting, and delivering packages. Include decision structures for handling fragile items and urgent deliveries.



Q2. Imagine you are automating the process of a vending machine. Create a flowchart that includes decision points for user input, selecting products, accepting payment, and dispensing the correct item. Include error-handling for invalid inputs and insufficient funds.



Q3. Write pseudocode to find the smallest number among three given variables. Implement a decision-making structure to compare the variables.



Q4. Develop pseudocode for a basic calculator that performs multiplication and division. The pseudocode should prompt the user for two numbers and an operator, then display the result of the operation.

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Q5. Write an algorithm to determine whether a number is a prime number. The algorithm should iterate through possible divisors and determine if the number has any divisors other than 1 and itself.A paper with writing on it

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Q6. Create an algorithm that asks the user for a day number(1-365) and outputs the corresponding day of the week, assuming that January 1st is a Monday.

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