

## Home Assignment <4>: ATM Withdrawal

### Learning Objective:

The objective of this assignment is to practice using **input**, **conditional statements**, and **arithmetic operators** in Python. You will also learn how to validate user input with conditions.

### Expected Completion Time:

Best Case: 10 minutes

Average Case: 15 minutes

### Assignment Details:

Write a Python program to simulate an ATM withdrawal:

1. Ask the user to enter a withdrawal amount.
2. The ATM only dispenses money in multiples of **100**.
3. If the entered amount is valid → `print "Dispensing <amount>".`
4. Otherwise → `print "Invalid amount".`

### Requirements:

- Use `input()` to read the withdrawal amount.
- Convert the input into an integer.
- Use the modulo operator (%) to check if the amount is divisible by 100.
- Print the appropriate message based on the condition.

### Hints:

1. Use `int(input("Enter withdrawal amount: "))`.
2. Check divisibility:
3. `if amount % 100 == 0:`
4. `print(f"Dispensing {amount}")`
5. `else:`
6. `print("Invalid amount")`

### Expected Outcome:

Upon completion of this assignment, you should be able to:

- Take numeric input from the user.
- Apply conditional checks with modulus operator.
- Print meaningful results based on user input.

**Example Run 1:**

Enter withdrawal amount: 1200  
Dispensing 1200

**Example Run 2:**

Enter withdrawal amount: 1250  
Invalid amount