

# Lab 3: ATM Machine

→ **DUE: Monday February 4, 11:59 PM**

→ Upload .c file (atm.c) to Canvas

◆ *Test on cis-linux2 server !!!!*

→ Comments at top of the file:

◆ Name, Date, Course

◆ Homework number (Lab 3 ATM Machine)

◆ Statement of problem

# How should you handle....

## PIN Validation & Initial Balance:

→ `#define PIN 3014` and `#define BALANCE 5000` outside of main

## Receipts:

→ If User enters “1” for yes just print to the screen “**Receipt printing...**”

## Daily Limits for Withdraw / Deposit:

- Does not need to be carried over from previous runs
- Keep separate running totals for amount withdrawn and amount deposited
- If a withdraw / deposit will go over the limit, do not perform the transaction and output an appropriate error message

# Lab 3 - Checklist

- ❑ Does your program catch 0s and negatives?
  - ❑ Are you using *less than or equal to 0* to validate?
- ❑ Does a user have only 3 attempts to enter the correct PIN?
  - ❑ Does your program call `exit(0)` after attempt 3?
- ❑ Can a user only withdraw multiples of 20?
- ❑ Can a user deposit coins?
  - ❑ They should *NOT* be able to!

## Lab 3 - Checklist cont.

- ❑ Does your program have an exit message with the total number of transactions made?
- ❑ Does your program compile and run on the cis-linux2 server?