**Exercise 1.1**

1. Get user’s last name
   1. Take first letter, convert to lowercase (if capital), and store to variable
2. Get user’s balance
   1. Store to variable
3. If balance is not equal to 0
   1. Hall 18
   2. Exit
4. Else
   1. If between A-E
      1. Hall 3
      2. Exit
   2. If between F-J
      1. Hall 2
      2. Exit
   3. If between K-O
      1. Hall 8
      2. Exit
   4. If between P-R
      1. Hall 10
      2. Exit
   5. If between S-Z
      1. Hall 12
      2. Exit
5. Exit with error

**Activity 1-3**

**1.1**

dailyProfit=casesSoldDaily\*2.4

annualProfit=dailyProfit\*365

**1.2**

1. Get cases sold in one day
2. Multiply cases sold by 2.4 (12\*.2)
   1. Store to variable `dailyProfit`
3. Multiply daily profit by 365
   1. Store to variable `annualProfit`

**2-A**

1. Cases Sold = 2
2. dailyProfit = 2\*2.4 = 4.8
3. annualProfit = 4.8 \* 365 = 1752

Seems to work!

**1.4**

Selling 10 cases per day,

Daily Profit: $24

Annual Profit: $8760