

Beginning C for Engineers

HW3

Due: beginning of class 4

Collecting money becomes increasingly difficult during periods of recession, so companies may tighten their credit limits to prevent their accounts receivable (money owed to them) from becoming too large. In response to a prolonged recession, one company has cut its customers' credit limits in half. Thus, if a particular customer had a credit limit of \$2000, it is now \$1000. Write a program that analyzes the credit status of 10 customers of this company using a "for loop". For each customer you should read:

- 1) The customer's account number
- 2) The customer's credit limit before the recession
- 3) The customer's current balance (i.e. the amount the customer owes the company)

Your program should calculate and print the new credit limit for each customer and should determine and print which customers have current balances that exceed their new credit limits. **10pts.**