CIS103   Payroll Program

Dictionary
Using a dictionary, match on code to calculate FIT
Code A : 12%
Code B : 15%
Code C : 18%
Using an array (list), accumulate totals for the following:
     Gross Pay, FIT, SIT, Net Pay

Data collected from screen: Name, rate of pay, hours worked
Count the number of employees processed
Count the number of errors
Calculated Gross Pay, Net pay, FIT, SIT (FIT – Federal income tax, SIT – State income tax)

Gross pay = Hours times rate of pay
FIT = Gross pay times 12%
SIT = Gross Pay times   4.95%
Net Pay = Gross pay – SIT - FIT

Validation: Hours and rate of pay must be:
                  numeric and cannot be negative, or zero
                  Hours cannot be over 60
                  Rate of pay cannot be over $50
      when input error, ask for data again

Process: Test Hours
 If hours are over 40,
        Then   hours over 40 are calculated at time in the half (1.5) of rate of pay
        Hours – 40 = OT hours
Error Handling: Issue error message when hours or rate of pay is not inputted correctly
                Example: Hours: 45, Rate of pay: $10.00
                             Overtime hours: 5
                             Gross pay = $475.00
Display the collected data as follows:
          Name: AAAAAAAAA   AAAAAAAAAAA   (First Last)
          Rate of Pay: 99.99
          Hours Worked: 99.99   Overtime Hours: 99.99
          Gross Pay: 9999.99
          FIT: 999.99
          SIT: 999.99
           Net Pay: 999.99

At end of Program
   Total Gross Pay   999.99
   Total FIT   999.99
   Total DIT   999.99
   Total Ney Pay 999.00