

## File I/O

### Read the file

### Input format:

employee number, first name, last name, rate of pay, hours, fitcode

### Output format:

employee number, name Gross pay, FIT, SIT, Netpay, hours, othours

### Error format:

employee number, name, rate of pay, hours, fitcode, error message

Code A : 12%

Code B : 15%

Code C : 18%

Using an array (list), accumulate totals for the following:

Gross Pay, FIT, SIT, Net Pay

### Count the number of records read

### Count the number of record written

### 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 = Grosspay \* fitrate

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

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

### At end of Program, display on screen

Total Gross Pay 999.99

Total FIT 999.99

Total DIT 999.99

Total Ney Pay 999.00