

Validation

Data collected from screen: Name, rate of pay, hours worked

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 rules:

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

Display the collected data as follows:

Name: AAAAAAAAAA AAAAAAAAAA (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