

Intro to Python – Lesson 7

Complete the following problem by preparing an IPO Chart and the Python program. Include comments, constants, and blank lines for readability.

ABC Company requires a program to calculate employee payroll. Define constants as required. Enter the employee's name, hours worked (weekly hours range from 20 to 60 hours), the total sales for the pay period (generally between 1000.00 and 7000.00), and the total number of items that were assembled by the employees (generally between 20 and 100).

Regular pay is found by multiplying the hours worked by the hourly pay rate of \$17.50. The sales commission is calculated based on 6% of the sales for the pay period and the assembly commission is 45 cents per item produced. The total commission is the sales commission plus the assembly commission. The gross pay is the regular pay plus the total commission. All employees pay 17% of their gross pay in income tax, 4.95% in CPP deductions, and 1.6% in EI deductions. Union dues are \$12.00 per person per pay period and the medical benefits are 5% of the gross pay. Find the total deductions by adding the income tax, CPP, EI, the union dues, and the medical. The net pay is the gross pay less the deductions.

Display results to the screen based on the following payroll receipt.

```

1          2          3          4          5          6
12345678901234567890123456789012345678901234567890123456789012345
ABC COMPANY
Employee Weekly Payroll Summary

Employee name: XXXXXXXXXXXXXXXXXXXXX

Hours worked: ##      Pay Rate: $##.##

Commission rates:      On sales:      ##%      On assemblies: #.##

Regular pay:                                $#,###.##

Sales Commission:      $#,###.##
Assembly commission:    $#,###.##
-----
Total Commission:      $#,###.##
-----
Gross pay:              $#,###.##

Deductions:

Income tax:              $###.##
CPP:                     $###.##
EI:                      $###.##
Union dues:              $###.##
Medical benefits:        $###.##
-----
Total deductions:      $#,###.##
-----
Weekly Net pay:         $#,###.##
=====
```

See you at 1.