

CMSC 124 COBOL Exercise 1

Employees from the XYZ company regularly work from 08:00-17:00 (8 hours including the 1-hour lunch). They have a normal rate of 65 pesos/hour and an overtime rate of 115 pesos/hour. The normal rate will be applied if the employee works within the regular time, otherwise the overtime rate is applied.

Create a COBOL program that computes for the employee's wage. The following inputs should be asked from the user:

- Name - 20 characters long
- Age - 2 digits
- Time in - 2 digits for the hours and 2 digits for the minutes
- Time out - 2 digits for the hours and 2 digits for the minutes

The 24-hour format will be used for the time in and time out.

LUNCH BREAK RULE: If the lunch break (12:00-13:00) is included within the employee's time of work, it should be deducted from his/her total working hours.

Example:

```
mbbdr@mbbdr-desktop: ~/Downloads$ ./sample
Name: Emp
Age: 30
Time In
Hours: 08
Minutes: 00
Time Out
Hours: 17
Minutes: 00

=====
Name: Emp
Age: 30
Normal Pay: 520 pesos
Overtime Pay: 0 pesos
Total Pay: 520 pesos
=====
mbbdr@mbbdr-desktop: ~/Downloads$
```

Bonus:

The program should handle flexitime - work hour ranges that are different from the standard 8:00-17:00 shift.

- The overtime rate will only be applied if the employee works beyond 8 hours.
- The lunch break rule will also be applied.