



CS102/IT102-Computer Programming 1

Programming Exercise 7

1st Semester 2023-2024

Write a program that will continuously ask the user to input pairs of integers until the **EOF**(Ctrl-Z for Windows or Ctrl-D for Linux systems). The input pairs of integers represent a rate of pay (centavos per hour) and a number of hours that the person has worked which will be used to compute for payment. The payment will be computed as follows-- with hours up to 40 being paid at basic rate, from 41 to 60 at rate-and-a-half, above 60 at double-rate. For each pair, output the payments as pesos with two decimal places with the following format "Pay at 200 centavos/hr for 38 hours is 76.00 pesos" and output also the total pay at the end. An output file "**payment.txt**" containing a table showing the computation of payment should also be created.

Sample run and output on the screen:

```
Please input a pair of integers(ctrl-D to end): 200 38
Pay at 200 centavos/hr for 38 hours is 76.00 pesos

Please input a pair of integers(ctrl-D to end): 300 48
Pay at 300 centavos/hr for 48 hours is 156.00 pesos

Please input a pair of integers(ctrl-D to end): 220 48
Pay at 220 centavos/hr for 48 hours is 114.40 pesos

Please input a pair of integers(ctrl-D to end): 280 68
Pay at 280 centavos/hr for 68 hours is 240.80 pesos

Please input a pair of integers(ctrl-D to end): 240 68
Pay at 240 centavos/hr for 68 hours is 206.40 pesos

Please input a pair of integers(ctrl-D to end): 260 48
Pay at 260 centavos/hr for 48 hours is 135.20 pesos

Please input a pair of integers(ctrl-D to end): ctrl-D (EOF)
This is the end of your input.

TOTAL PAY: 928.80 pesos
```

Sample output on the file "payment.txt"

Computation of your payment for this week

Rate(cts/hr)	# Hours	Pay(Pesos)
200	38	76.00
300	48	156.00
220	48	114.40
280	68	240.80
240	68	206.40
260	48	135.20

Total Pay: PhP 928.80