PSEUDOCODE:

#Define a container for the CONSTANTS

BASE\_RATE : $$, OVERTIME\_RATE : $$

#Define a Function that calculates the pay

#INPUT: Hours worked from USER; Rate from DICT

#RETURN: Return the calculated amount, weekly\_pay, as a Decimal

**Function** Calculate\_Weekly\_Pay (Hours):

* Are the Hours Greater than 40:
  + Yes
    - **Calculate** overtime\_hours (Hours – 40)
    - **Calculate** overtime\_pay (overtime\_hours \* OVERTIME\_RATE)
    - **Calculate** base\_pay (40 \* BASEPAY)
    - **Calculate** weekly\_pay = overtime\_pay + base\_pay
  + No
    - **Calculate** weekly\_pay = (Hours \* BASE\_RATE)

**RETURN** weekly\_pay

MAIN FUNCTION

**INPUT** user input

**CALL** function Calculate\_Weekly\_Pay **PASSING** user input; **SAVE** to **VARIABLE** weekly\_pay

**OUTPUT** “Weekly Pay:” followed by weekly\_pay

FLOWCHART:

GET Hours from User

GET BASE\_RATE and OVERTIME\_RATE

base\_pay = 40 \* BASE\_RATE

Output weekly\_pay

Yes

No

>40 Hours

weekly\_pay

weekly\_pay = overtime\_pay + base\_pay

overtime\_pay = (Hours – 40)\*OVERTIME\_RATE

weekly\_pay = Hours \* BASE\_RATE

CONTAINER with Pay Rates

START