

Many Representations of an algorithm

1. Verbal form

GROSS PAY

If the hours worked are less than (or equal to) 40, the pay is the product of the number of hours worked and the rate (of ten dollars an hour). Also, if more than 40 hours are worked, the pay is 15 dollars an hour (time-and-a-half) for any time over 40.

2. Pseudo-code (and JJ)

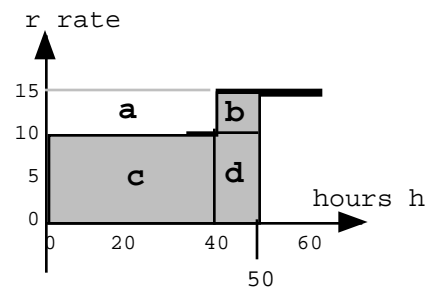
Input h

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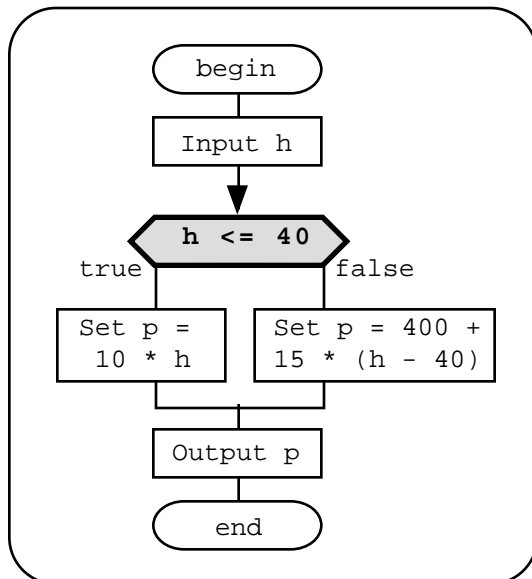
If (h <= 40) then
    Set p = 10 * h
Else
    Set p = 10*40 + 15*(h-40)
EndIf
    
```

Outputln p

4. Graph (plot)

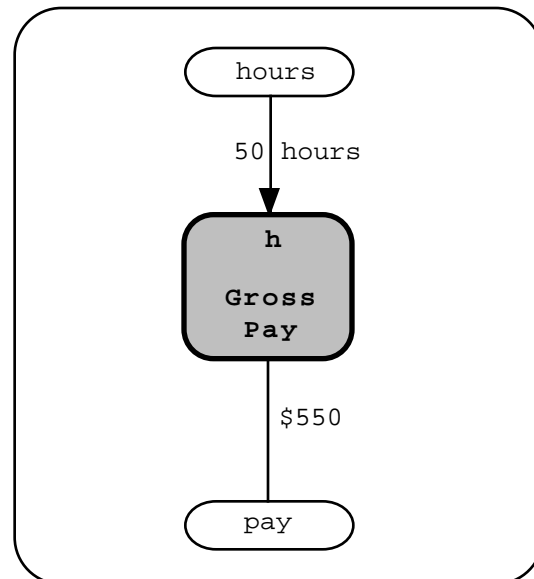


3. Control Flow Diagram (flow Chart)



Flow of control (actions)
emphasizes the HOW

5. Data Flow Diagram (DFD)



Flow of data
emphasizes the WHAT