ASSIGNMENT SIMON MERHAY

1.

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| --- | --- | --- |
| INPUT | PROCESSING | OUTPUT |
| Area(sq.foot) of lawn | 10 cents per sq.foot  Multiply 1 time by 15 weeks | Total Amount for mowing for a season |

Algorithm Step 1= total amount = 0 [ assign ]

Step 2= get area of the lawn [input]

Step 3= multiply lawn area by 10 cents [arithmetic]

Step 4= multiply one time charge by 15 weeks [arithmetic]

Step 5= return total amount. [return]

2.

|  |  |  |
| --- | --- | --- |
| INPUT | PROCESSING | OUTPUT |
| R=Number of regular hrs  O=Overtime hrs  Hw=Hourly wage | Hourly income= R\*hw  Overtime income=O\*hw\*1.5  Gross income=hourly income + overtime income  After-tax pay=gross-15%gross | Employee after tax pay |

Algorithm Step 1= get number of regular hours

Step 2= get number of overtime hours

Step 3= get the hourly wage per employee

Step 4= compute hourly income wage by multiplying number of regular hours by hourly wage

Step 5= multiply overtime hrs by hourly wage to get overtime income

Step 6= get gross income by adding hourly income and overtime income

Step 7= get amount of tax deducted by multiplying gross income by 0.15(15%)

Step 8= deduct the tax[7] from the gross income[6] to get the after tax pay.

3. C

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