IPO DETAIL DIAGRAM

INPUT
fence perimeter
number of gates
wooden fence cost per foot
chain-link cost per foot
gate cost
building permit cost
tax rate

PROCESS
wooden fence cost = fence parameter * wooden fence cost per feet
chain-link cost = chain link length * chain link cost per feet
all gates cost = number of gates * gate cost
sum of taxable items = wooden fence cost + chain link cost + all gates cost
tax amount = sum of taxable items * tax rate /100
total fence installing cost = taxable items cost + tax amount + building permit cost

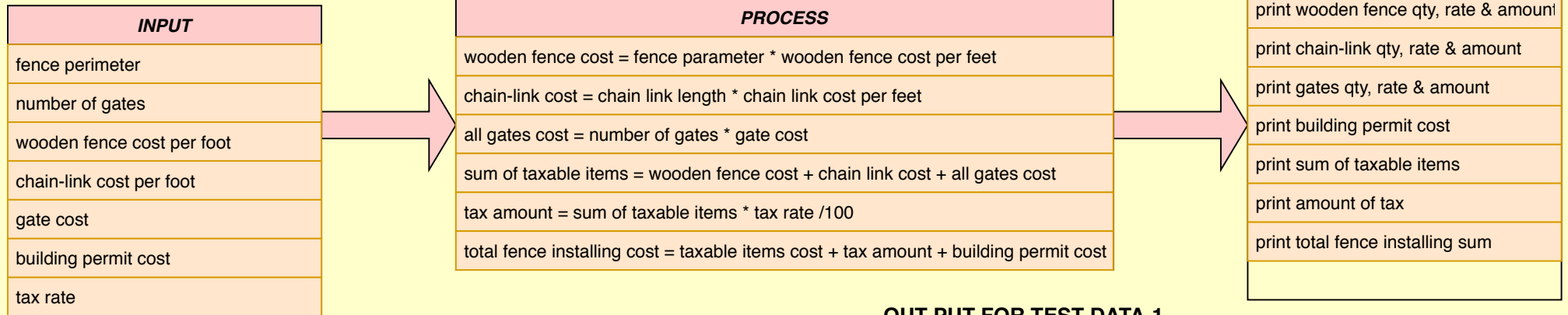| OUTPUT |
|---|
| print wooden fence qty, rate & amount |
| print chain-link qty, rate & amount |
| print gates qty, rate & amount |
| print building permit cost |
| print sum of taxable items |
| print amount of tax |
| print total fence installing sum |

OUT PUT FOR TEST DATA-1

INPUT TEST DATA-1
Fence Perimeter: 100
number of gates: 2

```
Enter fence perimeter: 100
Enter number of Gates: 2

| FENCE COST CALCULATION SUMMARY PAGE                                 Date: mm/dd/yyyy          ||
----------------------------------------------------------------------------------------------------
| No.  | Description              | Unit  |    Qty.   |    Rate   |       Amount   ||
====================================================================================================
| 1    | Wooden Fence             | foot  |  100.00 | $25.00 |      $2,500.00 ||
| 2    | Chain-link fence         | foot  |  100.00 | $15.00 |      $1,500.00 ||
| 3    | Gates                    | No    |       2 | $150.00 |        $300.00 ||
|      |                          |       |         |         |                ||
|      |                          |       |         |         |                ||
|      |              Sum of Taxable itmes |       |         |         |      $4,300.00 ||
|      |                  tax (6.0%) |       |         |         |        $258.00 ||
| 4    | Building Permit cost     | ls    |       1 | $50.00 |         $50.00 ||
|      |                          |       |         |         |     ---------- ||
|      |        Total Fence Installing sum: |       |         |         |      $4,608.00 ||
====================================================================================================
```

OUT PUT FOR TEST DATA-2

INPUT TEST DATA-2
Fence Perimeter: 50
number of gates: 1

```
Enter fence perimeter: 50
Enter number of Gates: 1

| FENCE COST CALCULATION SUMMARY PAGE                                 Date: mm/dd/yyyy          ||
----------------------------------------------------------------------------------------------------
| No.  | Description              | Unit  |    Qty.   |    Rate   |       Amount   ||
====================================================================================================
| 1    | Wooden Fence             | foot  |   50.00 | $25.00 |      $1,250.00 ||
| 2    | Chain-link fence         | foot  |   50.00 | $15.00 |        $750.00 ||
| 3    | Gates                    | No    |       1 | $150.00 |        $150.00 ||
|      |                          |       |         |         |                ||
|      |                          |       |         |         |                ||
|      |              Sum of Taxable itmes |       |         |         |      $2,150.00 ||
|      |                  tax (6.0%) |       |         |         |        $129.00 ||
| 4    | Building Permit cost     | ls    |       1 | $50.00 |         $50.00 ||
|      |                          |       |         |         |     ---------- ||
|      |        Total Fence Installing sum: |       |         |         |      $2,329.00 ||
====================================================================================================
```