

Simple Salary Program

CLASS L1BC

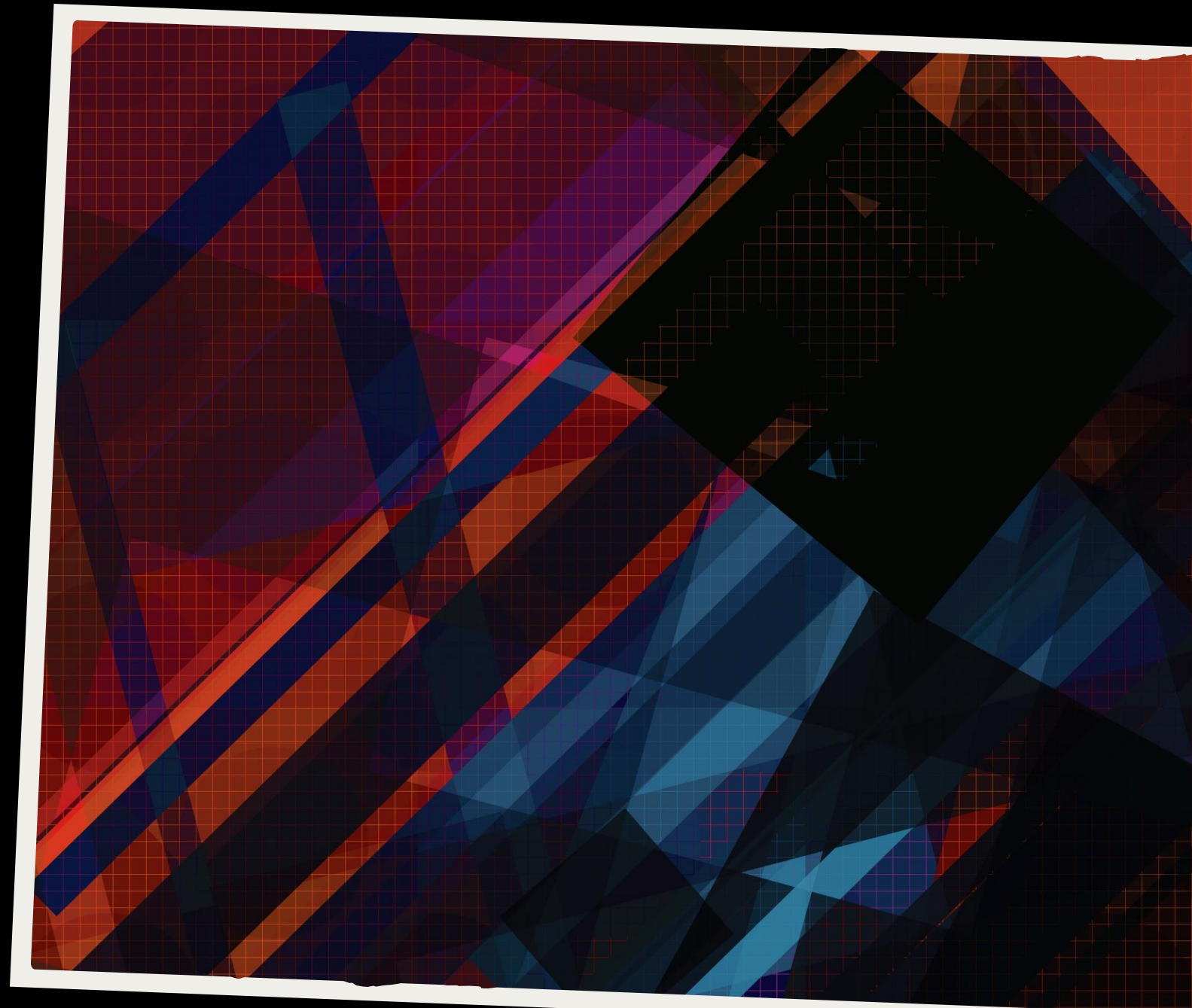
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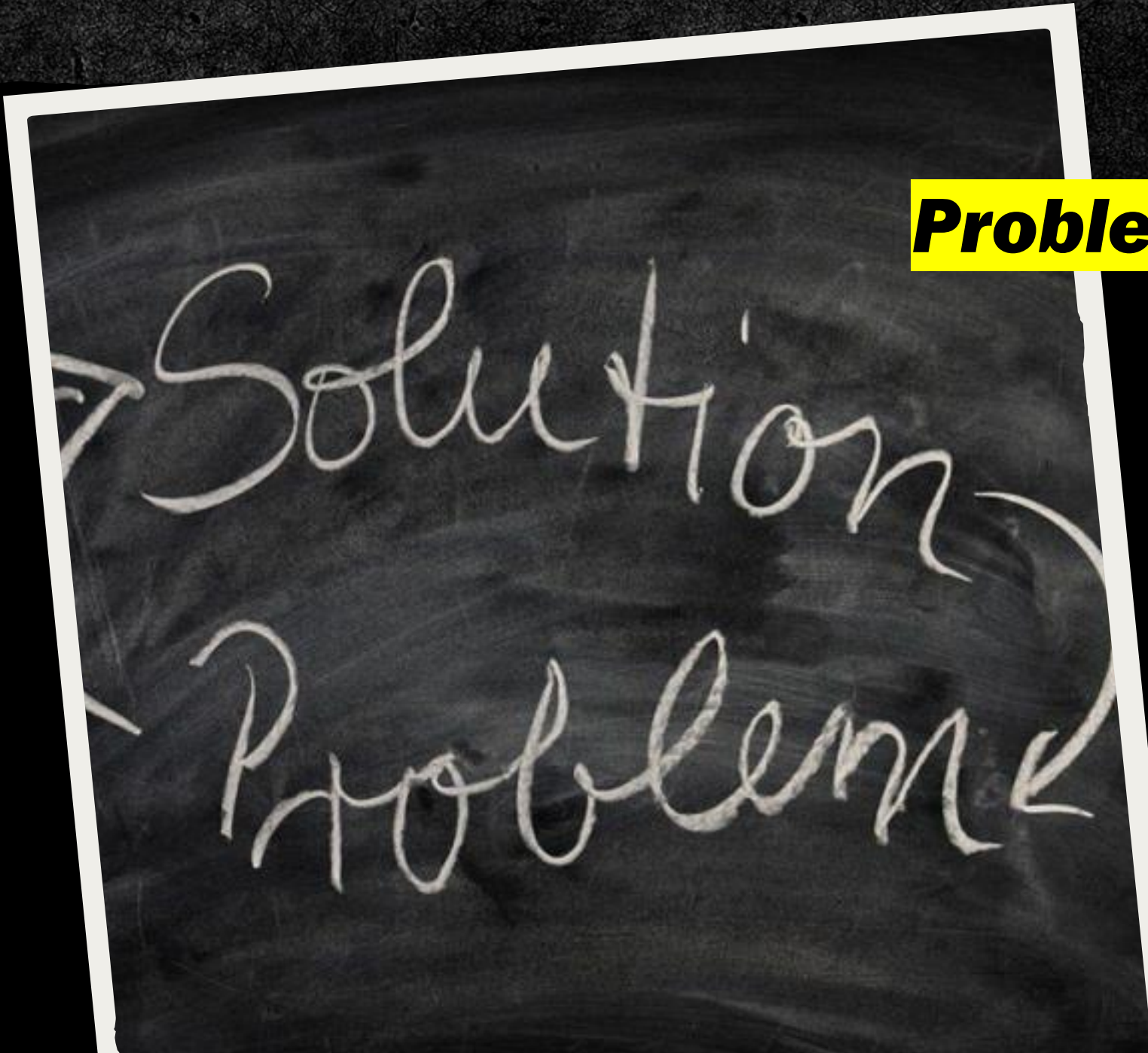
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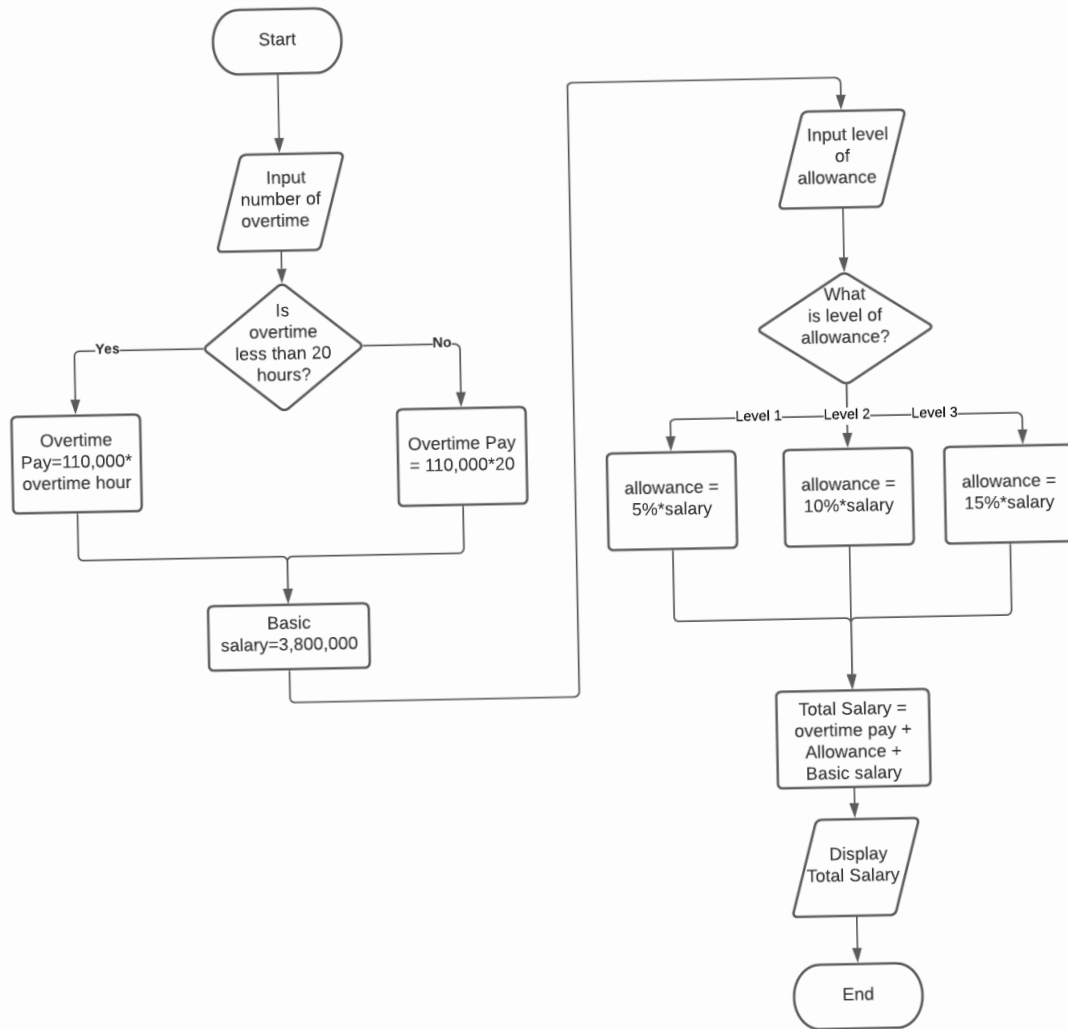
VINCENT YONO



Problem Statements

A black and white photograph of a chalkboard. The word 'Solution' is written in a large, cursive script on the upper half of the board. The word 'Problem' is written in a similar cursive script on the lower half. A large, curved arrow is drawn on the right side of the board, pointing from the word 'Problem' up towards the word 'Solution'.

- Goal
- Inputs
- Outputs
- Process
- Error handling



Flowchart

- Input overtime hour
- Calculate overtime pay
- Initialize basic salary
- Input allowance level
- Calculate allowance
- Calculate total salary
- Display total salary

Coding and Debugging

```
input number of overtime:
19
input level of allowance:
2
Total Salary: 6.270.000

** Process exited - Return Code: 0 **
```

```
input number of overtime:
20
input level of allowance:
3
Total Salary: 6.570.000

** Process exited - Return Code: 0 **
```

```
1 def calculate_salary():
2     x = 0
3     y = 0
4     #inputting the numbers
5     while x<=0:
6         x = int(input("input number of overtime: "))
7         if x > 0:
8             break
9         print("Should be a positive Integer")
10    while y<=0:
11        y = int(input("input level of allowance: "))
12        if y > 0:
13            break
14        print("Should be a positive Integer")
15
16    #finding how many percent
17    if y == 1:
18        percent = 5
19    if y == 2:
20        percent = 10
21    if y == 3:
22        percent = 15
23
24    #counting the salary
25    if x >= 20:
26        result = 110000 * 20
27        result = result + 3800000*percent/100 + 3800000
28    if x < 20:
29        result = 110000 * x
30        result = result + 3800000*percent/100 + 3800000
31
32    def group(number):#Adding zero for Thousands
33        s = '%d' % number
34        groups = []
35        while s and s[-1].isdigit():
36            groups.append(s[-3:])
37            s = s[:-3]
38        return s + '.'.join(reversed(groups))
39
40    print("Total Salary: {}".format(group(result)))
41
42 if __name__ == '__main__':
43     calculate_salary()
```

Testing

Overtime	Allowance	Output
20	1	6190000
20	2	6380000
15	3	6020000
15	1	5640000
3	2	4510000
1	1	4100000
1	2	4290000
1	3	4480000
27	3	6570000
27	4	Exception

- Valid Input = Result
- Invalid Input = No Result

A bright, minimalist dining room. In the center, a square table is covered with a light blue patterned tablecloth and set with a large pink bowl, a white bowl, and several small white plates. Four wooden chairs are tucked under the table. To the right, a large, leafy green plant sits on a wooden surface. In the background, two white-framed windows are open, offering a view of a lush garden with trees and flowers. A small wooden table with various potted plants sits between the windows. Two pendant lights hang from the ceiling: a white one over the table and a black one further right. The room is bathed in natural light from the windows.

Thank You