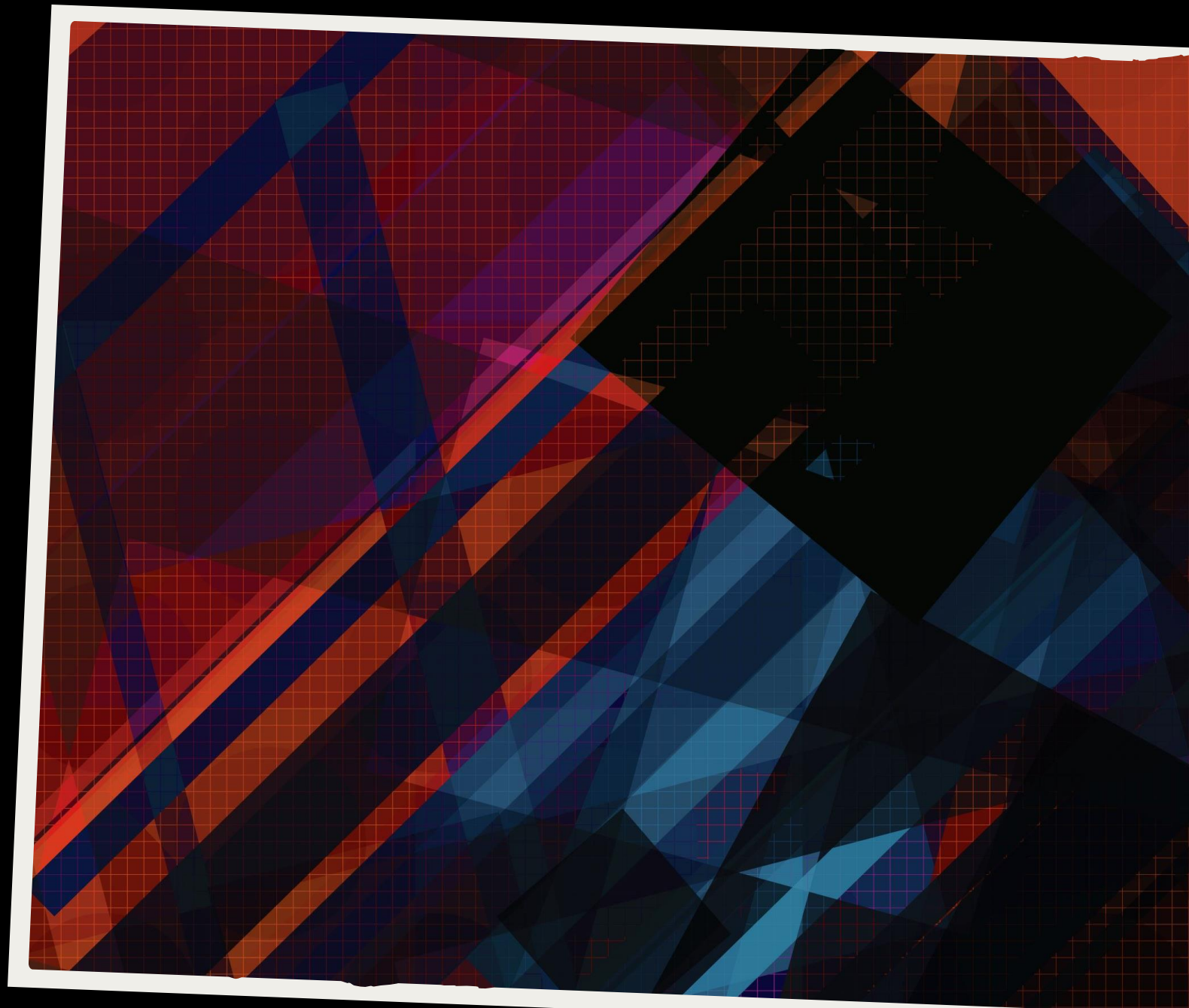
Simple Salary Program



CLASS L1BC

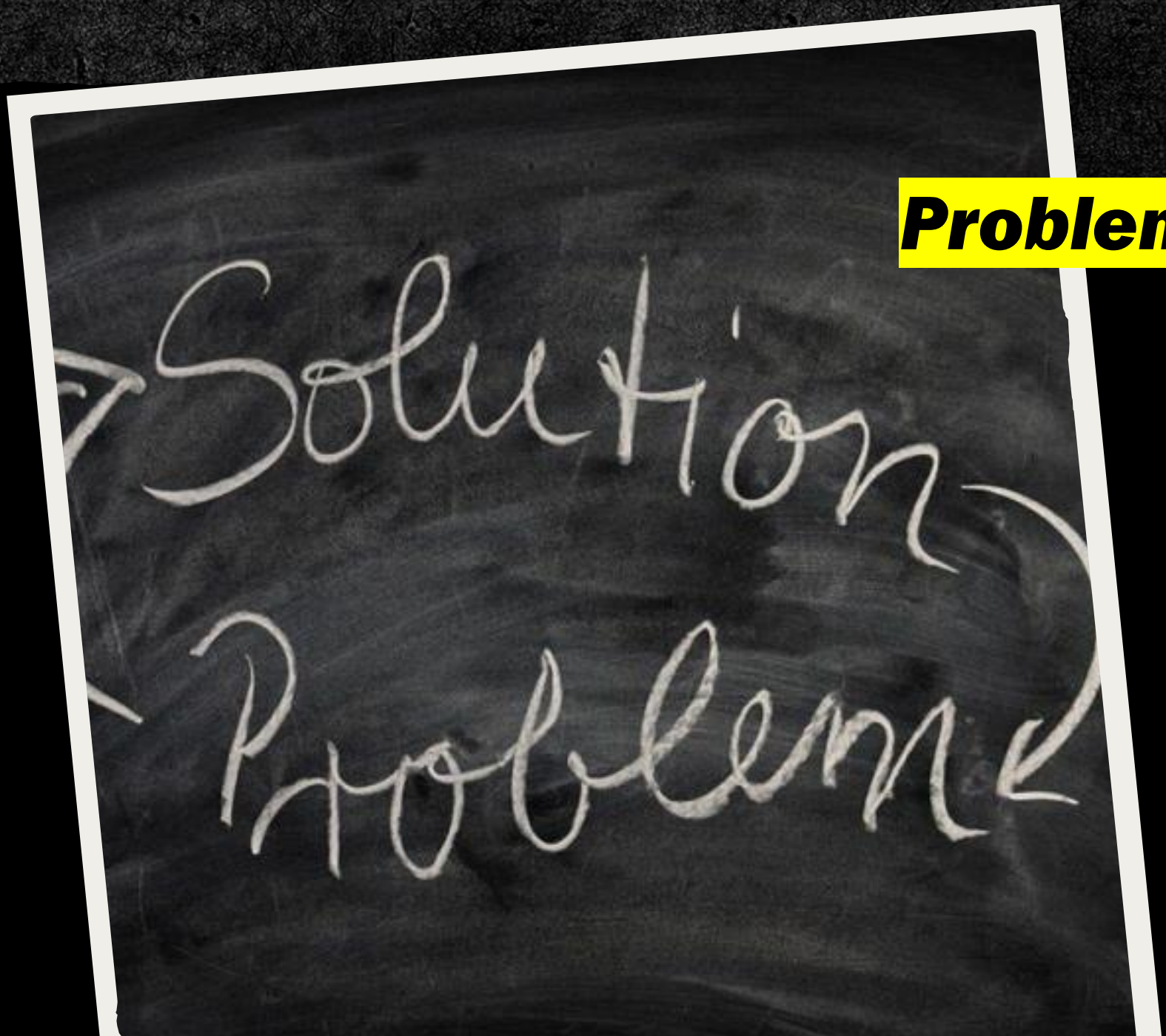
ARVIN YUWONO

CHRISTOPHER ALEXANDER TJIANDRA

KENNETH SAMUEL DJASMIN

LEONARDO RICHIE

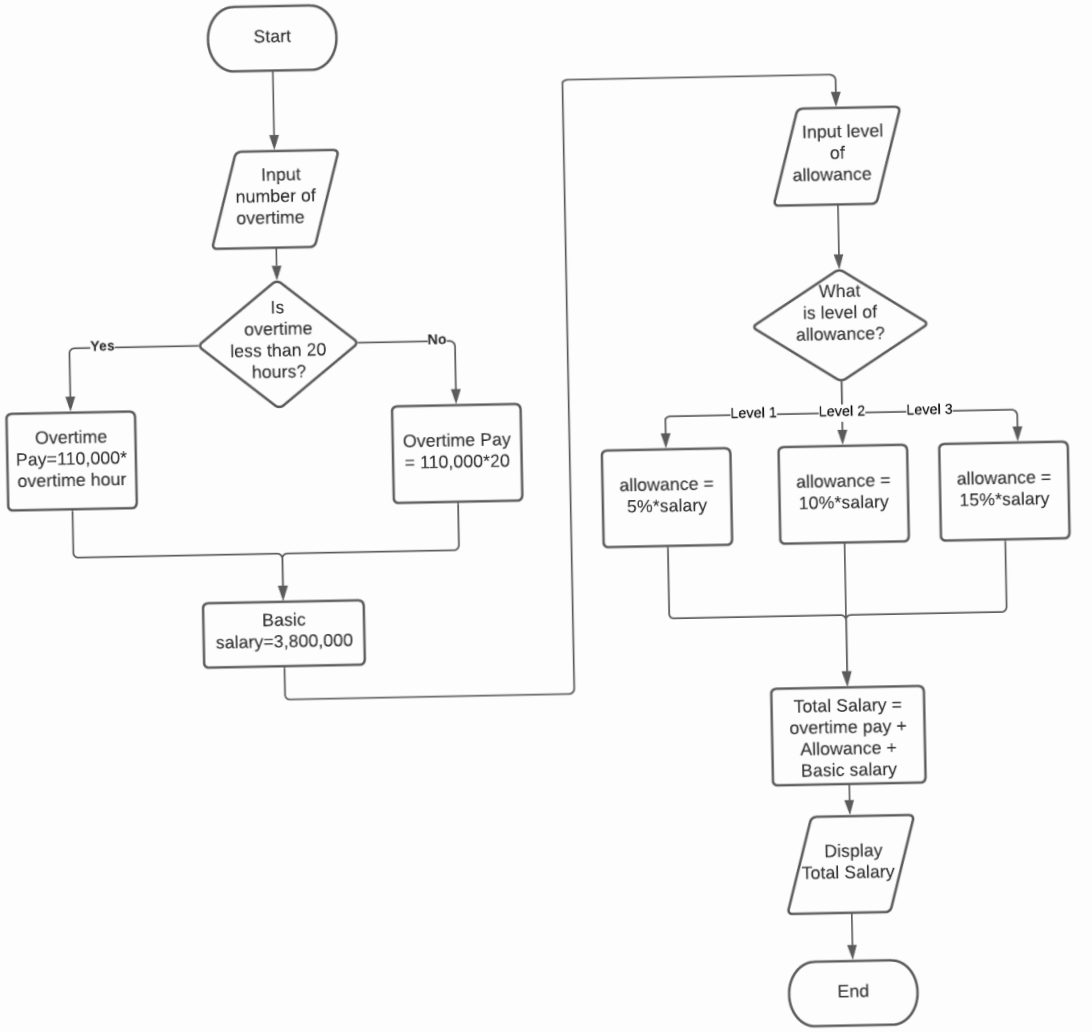
VINCENT YONO



Problem Statements

- 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 **
```

```python
def calculate_salary():
    x = 0
    y = 0
    #inputing the numbers
    while x<=0:
        x = int(input("input number of overtime: "))
        if x > 0:
            break
        print("Should be a positive Integer")
    while y<=0:
        y = int(input("input level of allowance: "))
        if y > 0:
            break
        print("Should be a positive Integer")

    #finding how many percent
    if y == 1:
        percent = 5
    if y == 2:
        percent = 10
    if y == 3:
        percent = 15

    #counting the salary
    if x >= 20:
        result = 110000 * 20
        result = result + 3800000*percent/100 + 3800000
    if x < 20:
        result = 110000 * x
        result = result + 3800000*percent/100 + 3800000

    def group(number):#Adding zero for Thousands
        s = '%d' % number
        groups = []
        while s and s[-1].isdigit():
            groups.append(s[-3:])
            s = s[:-3]
        return s + '.'.join(reversed(groups))

    print("Total Salary: {}".format(group(result)))

if __name__ == '__main__':
    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


Thank You