Unit 3 Lab

Write Pseudocode, Flowchart, Program Statements, and Programming Code (Java or Python Recommended)
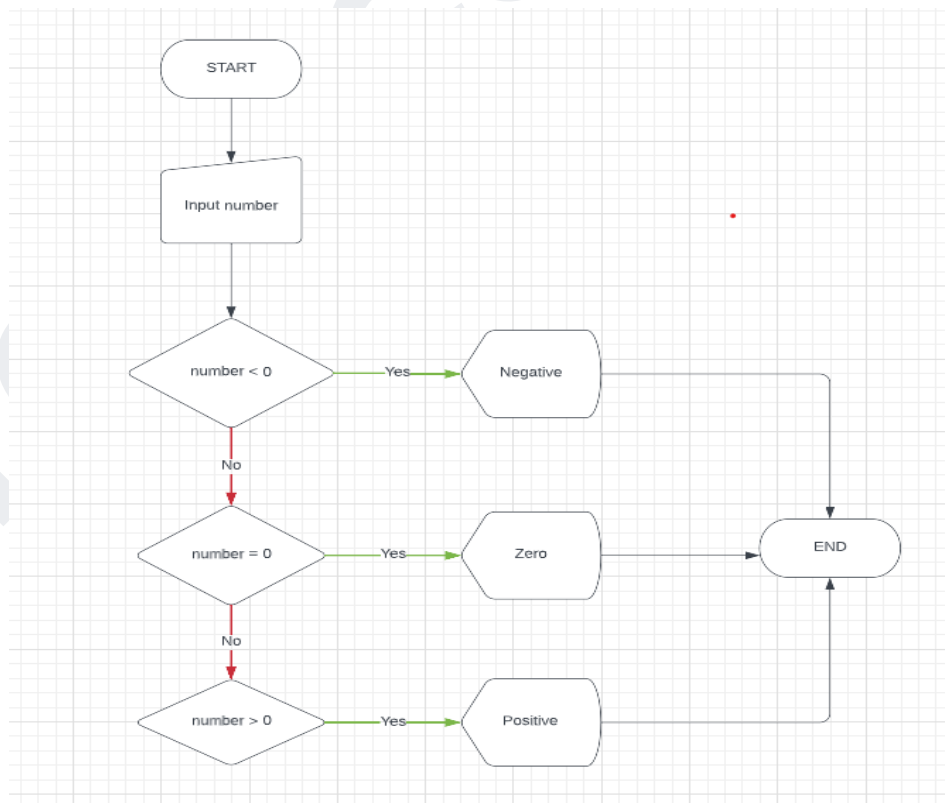**You may need to find some information to solve some of the following questions.**

1. A Program Code needs to accept a value from the user to determine a positive, negative, or zero value and display a result.

    -Pesudocode

    ```
    INPUT number
    IF (number < 0)
    {
            DISPLAY "negative"
    } ELSE IF (number > 0)
    {
                    DISPLAY "positive"
    } ELSE IF (number = 0)
    {
            DISPLAY "zero"
    }
    ```
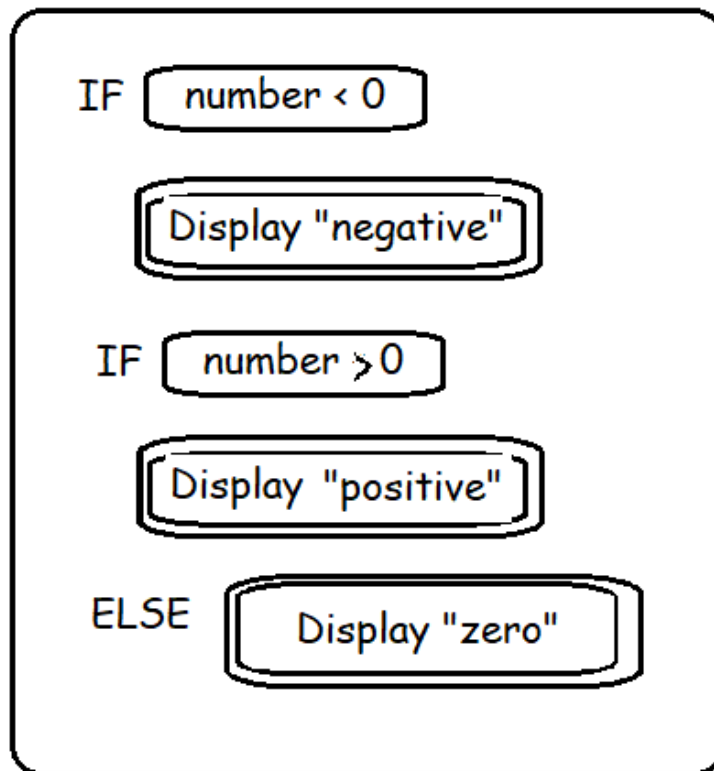
    -Flowchart

-Program statement

TEXT:

```
IF (number < 0)
{
        DISPLAY "negative"
} ELSE IF (number > 0)
{
                DISPLAY "positive"
} ELSE IF (number = 0)
{
        DISPLAY "zero"
}
```

BLOCK:

2. A Program Code to calculate an area of rectangle
3. A Program Code needs to accept values from the user and calculate an area of a rectangle.
4. A Program Code needs to accept values from the user and calculate an area of s circle.
5. A Program Code needs to accept celsius value from the user and convert the user's input to Fahrenheit.
6. Find the way to convert the user's input to calculate currency exchange rate from Baht to Thai.
7. Calculate total seconds in a day and in a week.
8. Check a total student's score as accepted from the user and determine a grade (A-F) using standard grading score.
9. Find the summary of number from 1 - 100
10. Calculate your age and display a result.
11. Create a list of your favorite fruit and display all of them
12. Traverse months of the year from the first to the last.