



**NAME:** Christian Andrie G. Asne

**DATE:** October 8, 2023

## ALGO EXERCISE # 5.1

**LE 5.11 Average of Even Numbers and Product of Odd Numbers.** Program that will ask 10 integers and display the average of all even numbers and the product of all odd numbers entered by the user

START

1. ASSIGN variable
  - a. INT y, input, sum=0, countEven=0, countOdd=0, product=1;
  - b. FLOAT average;
2. FOR (y=1; y<=10; y++)
  - a. DISPLAY "Enter Integer" (int input)
  - b. GET int input
    - 2.1 IF (input % 2 == 0)
      - a. CALCULATE sum = sum + input;
      - b. ADD one to countEven, countEven++;
    - 2.2 ELSE
      - a. CALCULATE product = product \* input;
      - b. ADD one to countOdd, countOdd++;
3. IF (countEven==0)
  - a. DISPLAY No even numbers input
  - b. DISPLAY the product of all odd numbers
4. ELSE IF (countOdd==0)
  - a. CALCULATE average = sum / countEven;
  - b. DISPLAY No odd numbers input
  - c. DISPLAY the average of all even numbers
5. ELSE
  - a. CALCULATE average = sum / countEven;
  - b. DISPLAY the average of all even numbers
  - c. DISPLAY the product of all odd numbers

STOP



