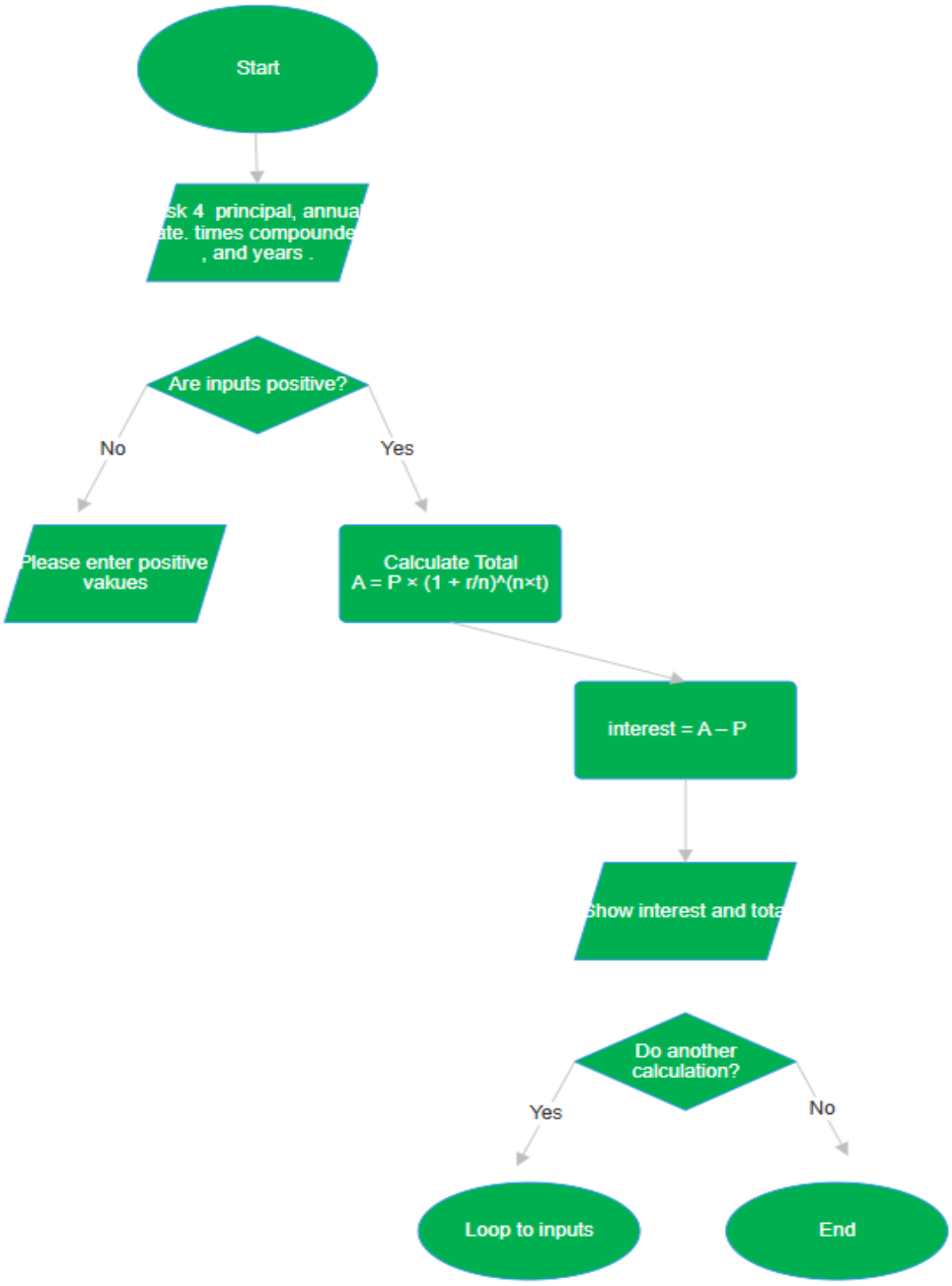
Chapter 3 Project

Program 3 – Interest Earned

Flowchart Design



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Flow Description:

The program calculates the complete interest that results from using investment funds.

It asks for the principal, rate, times compounded, and years, validates inputs,

The program determines the complete amount and interest gain after it runs through the provided input data.

Flow Steps:

1. Start Program

2. The user needs to input the principal amount and the interest rate and the compounding frequency and the duration of the investment.

3. All input values need to be confirmed as positive numbers.

4. The program should display “Please use positive values” when the user enters a negative number before prompting them to enter a value again.

5. The system needs to determine the total interest amount and the complete interest generated.

6. Display the results: interest and total amount

7. Ask “Do another calculation?”

8. The program will continue if the answer is yes but will stop when the answer is no.

9. End Program