**Airgead Banking App Pseudocode**

**START**

Output Data Input screen to show the user what information they need to provide

Get any key input

Clear screen

Prompt and receive inputs from user

Get INITIAL INVESTMENT AMOUNT

Get MONTHLY DEPOSIT

Get ANNUAL INTEREST

Get NUMBER OF YEARS

WHILE any of these inputs are negative

Request valid value

Get new value

Set MONTHS variable equal to NUMBER OF YEARS times 12

Set ANNUAL INTEREST equal to (INITIAL INVESTMENT AMOUNT + MONTHLY DEPOSIT) \* ((ANNUAL INTEREST/100)/12) \* 12

Output Data Input screen now showing user inputs

Get any key input

Clear screen

Output report without monthly deposits

Set ANNUAL INTEREST equal to (INITIAL INVESTMENT AMOUNT) \* ((ANNUAL INTEREST/100)/12) \* 12

Output report using FOR loop that iterates 1 year at a time

Output year, year end balance, and year end interest earned each iteration

Output report with monthly deposits

Set ANNUAL INTEREST equal to (INITIAL INVESTMENT AMOUNT + MONTHLY DEPOSIT) \* ((ANNUAL INTEREST/100)/12) \* 12

Output report using FOR loop that iterates 1 year at a time

Output year, year end balance, and year end interest earned each iteration

Ask user if they want to run another report

IF yes

Restart program

ELSE IF no

End Program

**END**