# Project 2 Pseudocode

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BEGIN

DEFINE CLASS Investment

- VARIABLES: investment, balance, apr, term, deposit

- CONSTRUCTOR(investment, apr, term, deposit)

- Initialize values with validation

- METHODS:

- set and get values (investment, balance, apr, term, deposit)

- calcWODeposit()

- Calculate balance growth without monthly deposits

- calcWithDeposit()

- Calculate balance growth with monthly deposits

- printStatement(includeDeposits)

- Choose and run the correct calculation method

END CLASS

MAIN PROGRAM:

- Get user input: initial investment, monthly deposit, APR, term

- Create Investment object

- Run printStatement(false) → Calculation without deposits

- Run printStatement(true) → Calculation with deposits

END