**MAIN MODULE**

Import open text file module

Parent class1 Transaction

Income subclass of Transaction

Category1 has Employment, Investment, Other

OUTPUT category1

function input\_income  
INPUT income

OUTPUT income\_list

FOR i in range length of income\_list

Change income\_list to integers

OUTPUT Total sum of Income\_list

CALL input\_income

Expense subclass of Transaction

Category2 has Rent, Utilities, Food, Other

OUTPUT category2

function input\_expense  
INPUT expense

OUTPUT expense\_list

FOR i in range length of expense\_list

Change expense\_list to integers

OUTPUT Total sum of expense\_list

CALL input\_expense

Parent class2 Savings

Function savings\_goal

WHILE condition TRUE

try

INPUT percent saving goal

Break

Except VALUERROR

OUTPUT error message

OUTPUT goal percentage statement

CALCULATE savings = total income – total expense

CALCULATE saving percentage = savings divided by total income multiplied by 100

IF saving percentage is less than goal saving percentage

THEN

OUTPUT positive statement

ELSE

OUTPUT negative statement

CALL savings\_goal

CALL open file module to print statement of total income, expense, and savings

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**OPEN FILE MODULE**

Open text file named ‘statement’

function print\_statement

write ‘Statement’ in the file

write ‘Total Income, Total Expense, Total Savings’ with 2 decimal points

close the file