checkCoffee Function

Show Coffee

Ask coffee from user in input string

Convert string to lower case

String not equal to kind of coffee in lower case

T

Show error

Return price of coffee depend on kind of coffee to calculate price

F

checkSize Function

Show error

Ask size from user in input string

String not equal to size coffee in lower case

Convert string to lower case

Show Size (small,big)

T

Return 2 if size big and return 1 if size small to calculate price

F

checkTemp Function

Show error

Convert string to lower case

Show temperature (hot,cold)

Ask temperature from user in input string

String not equal to temperature coffee in lower case

T

Return true if size big and return false if size small to calculate price

F

clearScreen Function

Bring cursor to beginning of the line

i<LOOP\_TIME

Set i = 0, LOOP\_TIME = 64

T

Print newline feed

F

bCharacter Function

Add i

Input string from parameter, Set i = 0

T

Character order i is alphabetic

T

i < length of string

Return true, string is character

F

F

Return false, string is not character

bNumeric Function

Add i

Input string from parameter, Set i = 0

T

Character order i is numeric

T

i < length of string

Return true, string is numeric

F

F

Return false, string is not numeric

checkAmount Function

Return amount in integer

Ask user amount of coffee in string convert string to integer

T

Check string is not numeric or integer less than 1

F

checkMember Function

Ask member code in string

Length isn’t 6 & first letter isn’t character & 5 character of next first string are numeric

F

String is “-1”

F

T

T

Return -1 to end of the day

Return 1 to member

Return 0 to not member

askMembeCoffee Function

Print member, non- member & end of the day

F

Ask member code by checkMember function is not return –1 (not input “-1” to end of the day)

T

Count member, Count non-member

F

Ask coffee from checkCoffee function return not equal to 0 (not input ”NONE” to show bill) and coffee less than MAX\_COFFEE

Print bill Add price in bill to price of end of the day Reset all each price, discount & sum of coffee bill

T

Ask temperature by checkTemp function & save it for each coffee

Ask amount by checkAmount function & save it for each coffee

Calculate each price and add each price of coffee, discount & sum into bill

Main Function

Clear Screen print welcome

askMemberCoffee Function