main()

welcomeMessage()

SET priceOfCoke TO 125

SET outstandingTotal TO priceOfCoke

SET fullyPaidOff TO False

WHILE NOT fullyPaidOff DO

FUNCTION greeting ()

SEND ‘Welcome to KernowCoke vending machine’ TO DISPLAY

SEND ‘Price of KernowCoke: £1.25’ TO DISPLAY

SEND ‘Accepted coins: 1p, 2p, 5p, 10p, 20p, 50p, £1, £2’ TO DISPLAY

END FUNCTION

FUNCTION insertCoins ()

SET validCoins TO [1p, 2p, 5p, 10p, 20p, 50p, £1, £2]

RECEIVE coin FROM KEYBOARD

IF coin NOT IN validCoins

SEND ‘ERROR: Invalid coin’ TO DISPLAY

END IF

RETURN integerValueOfCoin

END FUNCTION

FUNCTION convertPenniesToPoundString (amountInPennies):

SET amountInPounds TO (amountInPennies / 100)

SET amountInPounds TO amountInPounds rounded to 2 DP

SET poundString TO ‘£’ + amountInPounds

RETURN poundString

END FUNCTION