

CBL DLL, THREAD

IDENTIFICATION DIVISION.

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PROGRAM-ID. OOCOBOL RECURSIVE.

ENVIRONMENT DIVISION.

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CONFIGURATION SECTION.

* Class declarations

REPOSITORY.

CLASS PRODUCT **IS** 'Product'

CLASS PRODUCTLIST **IS** 'ProductList'

DATA DIVISION.

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WORKING-STORAGE SECTION.

77 LEN **PIC** S9(9) COMP.

01 PRICE **PIC** S9(9) COMP.

* Object declarations:

77 PLIST **OBJECT** **REFERENCE** PRODUCTLIST.

77 PRD **OBJECT** **REFERENCE** PRODUCT.

77 BICYCLE **OBJECT** **REFERENCE** PRODUCT.

PROCEDURE DIVISION.

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INVOKE PRODUCTLIST **NEW** **RETURNING** PLIST

INVOKE PRODUCTLIST **'GetLength'** **USING BY VALUE** PLIST
RETURNING LEN

DISPLAY 'The length of your Product list is ' LEN

INVOKE PRODUCT **NEW** **RETURNING** BICYCLE

INVOKE PRODUCT **'SetPrice'** **USING BY VALUE** BICYCLE
99.95

INVOKE PRODUCTLIST **'AddProduct'** **USING BY VALUE** PLIST
BICYCLE

INVOKE PRODUCTLIST **'GetLength'** **USING BY VALUE** PLIST
RETURNING LEN

DISPLAY 'The length of your Product list now is ' LEN

INVOKE PRODUCTLIST **'GetLastProduct'** **USING BY VALUE** PLIST
RETURNING PRD

INVOKE PRODUCT **'GetPrice'** **USING BY VALUE** PRD
RETURNING PRICE

DISPLAY 'The price of the last product is ' PRICE

STOP RUN

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