

# Program Maintenance Menu

The Program Maintenance menu is displayed with function code M and object code PR in a Predict main menu or with the command MAINTAIN PROGRAM.

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13:13:56          ***** P R E D I C T 4.3.1 *****          2003-05-31
Plan   3          - (PR) Program Maintenance -          Profile HNO

Function          Function

A Add a program   D Display program
C Copy program    L Link children
M Modify program  S Select program from a list
N Rename program  X Redocument program
P Purge program

Function .....
Program ID .....
Copy ID .....
Belongs to SY ....

Member .....
Library .....
Restrictions ....* Profile HNO,used

Attributes .....*
Program of type ....*
Language .....*

User system Fnr .....
User system DBnr ....
Association .....*

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Next Stop Last LnkEl Flip Print Impl AdmFi SelFi Prof Main

```

**Note:**

Parameters not listed here are described under Global Attributes.

Parameters	
Function	Executes one of the maintenance functions. Standard maintenance functions are described in the section Maintenance in the <b>Predict Reference documentation</b> .  Program-specific functions are described in Program Maintenance.

<p>Program of type</p>	<p>For the Select function:                      Program type can be specified as an additional selection criterion.</p> <p>For the Add and Copy function:                      Program type of the new object. Value is passed to the Add/Copy Program screen. Valid values:</p> <ul style="list-style-type: none"> <li><b>A</b> Parameter data area</li> <li><b>C</b> Copy Code</li> <li><b>D</b> Documented program</li> <li><b>E</b> External program</li> <li><b>F</b> Function</li> <li><b>G</b> Global data area</li> <li><b>H</b> Help routine</li> <li><b>I</b> Dynamic (see Programs of Type dynamic)</li> <li><b>J</b> Job</li> <li><b>K</b> ISPF Macro</li> <li><b>L</b> Local data area</li> <li><b>M</b> Map/Help map</li> <li><b>N</b> Subprogram</li> <li><b>O</b> Natural command processor</li> <li><b>P</b> Main Program</li> <li><b>R</b> SQL Procedure</li> <li><b>S</b> Natural subroutine</li> <li><b>T</b> Dialog</li> <li><b>U</b> Database function</li> <li><b>X</b> Text</li> <li><b>Y</b> Expert model</li> <li><b>1</b> Error Message</li> <li><b>4</b> Class</li> <li><b>5</b> Resource</li> <li><b>blank</b> Undefined</li> </ul>
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<p>Language</p>	<p>For the Select function: language can be specified as an additional selection criterion.</p> <p>For the Add and Copy function: language of the new object. Value is passed to the Add/Copy Program screen. Valid values:</p> <p><b>B</b> BAL (Assembler)  <b>C</b> COBOL  <b>E</b> Natural EL  <b>F</b> FORTRAN  <b>G</b> ADA  <b>H</b> C  <b>J</b> Job Control Language  <b>N</b> Natural  <b>O</b> Other  <b>P</b> PL/I  <b>Q</b> Static SQL  <b>R</b> REXX  <b>S</b> SQL Procedure Language  <b>V</b> Java  <b>Z</b> System Program, see System Programs  <b>0</b> Language 0  <b>1</b> Language 1  <b>2</b> Language 2  <b>3</b> Language 3  <b>blank</b> Unknown</p>
<p><b>Member, Library, User system Fnr / DBnr</b></p>	
<p>For the Select function: implementation pointer values can be used to restrict the scope of objects to be processed. Only those Predict program objects will be processed that document members meeting the specified Member/Library/Fnr/DBnr parameters.</p>	
<p>Member</p>	<p>Member documented by the Predict program.</p>

Library	Library in which the member is stored. Either a Natural library or one of the following can be specified:	
	*SYSADA*	for ADA
	*SYSBAL*	for ASSEMBLER
	*SYSCCC*	for C
	*SYSCOB*	for COBOL
	*SYSFOR*	for FORTRAN
	*SYSPLI*	for PL/I
	*SYSSTA*	for Static SQL
	*SYSSYS*	for system programs
	user-defined	library of a 3GL application environment; must be documented in an object of type System
User system Fnr	Number of the user system file.	
User system DBnr	Number of the database in which the user system file is implemented.	

## Add a Program Screen

The screen is displayed for the Add a Program function. The Copy and Modify screens are similar.

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13:21:11          ***** P R E D I C T  4.3.1  *****          2003-05-31
                    - Add a Program -

Program ID ..... HNO-PR
Type .....* P Program
Belongs to SY ..*
Keys ..                               Zoom: N

Program attributes
  Language .....* All
  Mode .....* (none)
  Load-Lib .....
Implementation pointer
  Member .....          User system Fnr ...
  Library .....          User system DBnr ..
  NAT-Func .....
  ('*' to get NAT-Function name from XRef data)
Proc/Func name ..

Abstract      Zoom: N          Authors      Zoom: N

Additional attributes ..* N          Associations ..* N
    
```

**Note:**  
Parameters not listed here are described under Global Attributes.

<b>Parameters</b>	
Program ID	The ID of the program object.
Type	Program type. Must suit the language. The language can be left blank (undefined) for any program type. Enter an asterisk for a list of possible values. See Overview of Language-Specific Program Types for a table of valid program type/language combinations.
Belongs to SY	ID of the system to which the program is linked. If the program is connected to more than one system, >>>multiple<<< is displayed in this field in the Modify Program function and the field is protected.
<b>Program attributes</b>	
Language	The language in which the program is written. Enter an asterisk for list of possible values. See Overview of Language-Specific Program Types for a table of valid program type/language combinations.
Mode	Mode of operation in which the program is used.  <b>A</b> All (both online and batch modes)  <b>B</b> Batch mode  <b>O</b> Online  <b>blank</b> Undefined
Load-lib	The load library.
<b>Implementation Pointer</b>	
Member	Member documented by the Predict program (not applicable to programs of type 5).
Library	The name of the library in which the member is stored (not applicable to programs of type D).  <ul style="list-style-type: none"> <li>● For Natural programs: see the table in Overview of Language-Specific Program Types.</li> <li>● For 3GL programs: <ul style="list-style-type: none"> <li>○ one of the standard 3GL libraries (see description of the Library parameter</li> <li>○ any library, provided that it is documented in a Predict system object of type G.</li> </ul> </li> </ul>
User system Fnr	The number of the user system file. For 3GL programs, the number is always 255.
User system DBnr	The number of the database in which the user system file is located. For 3GL programs, the number is always 255.
NAT-Func	Applicable only to Natural subroutines (type S). The name of the function of the subroutine (DEFINE SUBROUTINE). If an asterisk is entered, Predict derives the function name from XRef data if XRef data exists for the specified member.
Procedure/Function name	Only for programs of type R (Procedure) or U (Function). This name must comply with SQL naming conventions. See the section Naming Conventions for SQL Objects in the section <b>Adabas D and Other SQL Systems</b> in the <b>Predict and Other Systems documentation</b> .

