

Creating a Map for WRITE and Copying Field Definitions

In this session, you will create a map by copying the field definitions from a DDM (data definition module). In addition, you will change the map setting so that you can use the `WRITE USING MAP` statement.

▶ To create a map from DDM fields

1. At the program editor's command prompt, enter the following:

```
EDIT MAP
```

The **Edit Map** menu appears.

2. Execute the **Initialize new Map** function to create a map with the name `MAP002`.

The **Define Map Settings For MAP** screen appears.

3. Change **Page Size** to `60`. Mark **WRITE Statement** by typing in an `X` in the input field next to it. Unmark **INPUT Statement** by removing the `X` next to it with `SPACEBAR`.
4. Press `ENTER`.

The **WRITE Statement** option is marked, which means that this map can only be invoked from a program with a `WRITE USING MAP` statement.

5. Press `ENTER` *twice*.

The map editing screen appears.

6. Next to the **Ob** input fields at the top of the screen, enter the following:

```
V EMPLOYEES
```

7. Press `ENTER`.

The fields definitions of the DDM `EMPLOYEES` are listed:

```

Ob V EMPLOYEES                               Ob D CLS ATT DEL      CLS ATT DEL
1 PERSONNEL-ID                               .   T  D   Blnk     T  I   ?
. FULL-NAME                                  .   A  D   _       A  I   )
2 FIRST-NAME                                 .   A  N   7       M  D   &
3 MIDDLE-I                                   .   M  I   :       O  D   +
4 NAME                                       .   O  I   (
5 MIDDLE-NAME                                .
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

8. In the editing area, enter the following:

```

Ob V EMPLOYEES                               Ob D CLS ATT DEL   CLS ATT DEL
1 PERSONNEL-ID                               A8   .   T D   Blnk   T I   ?
. FULL-NAME                                  *G1   .
2 FIRST-NAME                                  A20   .
3 MIDDLE-I                                    A1    .
4 NAME                                         A20   .   O I   (
5 MIDDLE-NAME                                  A20   .
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
NAME: ( 4
( 2

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

This defines two fields for the map, whose definitions are to be copied from the DDM: the sequential number 4 entered will copy the definition of the corresponding field NAME, and number 2 will copy the definition of the corresponding field FIRST-NAME.

9. Press ENTER.

The field definitions in the DDM are copied into the map:

```

Ob V EMPLOYEES                               Ob D CLS ATT DEL   CLS ATT DEL
1 PERSONNEL-ID                               A8   .   T D   Blnk   T I   ?
. FULL-NAME                                  *G1   .
2 FIRST-NAME                                  A20   .
3 MIDDLE-I                                    A1    .
4 NAME                                         A20   .   O I   (
5 MIDDLE-NAME                                  A20   .
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
NAME: (XXXXXXXXXXXXXXXXXXXXXXXXXXXX
(XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

10. Use the field command .M to move the field positioned in the second line of the editing area to the position shown below:

```

Ob V EMPLOYEES                               Ob D CLS ATT DEL   CLS ATT DEL
1 PERSONNEL-ID                               .   T  D   Blnk   T  I   ?
. FULL-NAME                                  *G1
2 FIRST-NAME                                  .
3 MIDDLE-I                                   A1                               O  D   +
4 NAME                                        A20                              O  I   (
5 MIDDLE-NAME                                 A20
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
NAME: (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX)

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

11. In the **Ob** input fields, replace the V by a plus sign (+) and press ENTER.

The next page of field definitions is displayed.

12. Repeat the previous step until the field CITY appears in the list. Replace the V by a minus sign (-) if you need to scroll up one page in the list.

13. Enter CITY: (2 as shown below:

```

Ob V EMPLOYEEES                                Ob D CLS ATT DEL     CLS ATT DEL
. FULL-ADDRESS                                .    T D   Blnk    T I   ?
1 ADDRESS-LINE                                .    A D   _      A I   )
2 CITY                                         .    A N   -      M D   &
3 ZIP                                          .    M I   :      O D   +
4 POST-CODE                                  .    O I   (
5 COUNTRY                                     .
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
NAME: (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX (XXXXXXXXXXXXXXXXXXXXXXXXXXXX CITY: (2

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Mset  Exit  Test  Edit  --    -    +    Full  <    >    Let

```

14. Press ENTER.

The screen now look as follows:

```

Ob V EMPLOYEES                               Ob D CLS ATT  DEL    CLS ATT  DEL
. FULL-ADDRESS                               .    T  D    Blnk   T  I    ?
1 ADDRESS-LINE                                .    A  D    _      A  I    )
2 CITY                                         .    A  N    7      M  D    &
3 ZIP                                          .    M  I    :      O  D    +
4 POST-CODE                                   .    O  I    (
5 COUNTRY                                     .
001  --010--+-----+-----+---030--+-----+-----+---050--+-----+-----+---070--+-----
NAME:(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX(XXXXXXXXXXXXXXXXXXXXXXXXXXXXX CITY:(XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit  Test  Edit  --    -    +      Full <    >      Let

```

15. Press PF3.

The **Edit Map** menu appears.

16. STOW map MAP002 by using the appropriate menu function.

You can now proceed with *Reusing the Layout of a Map*.