AMDP Class Code

```
CLASS zcl_amdp_demo1 DEFINITION
  PUBLIC
  FINAL
  CREATE PUBLIC .

  PUBLIC SECTION.
    TYPES: BEGIN OF ty_material,
             matnr          TYPE matnr,
             mtart          TYPE mtart,
             ersda          TYPE ersda,
             matnr_external TYPE matnr_external,
           END OF ty_material,

           tt_material TYPE TABLE OF ty_material.
    INTERFACES: if_amdp_marker_hdb.
    METHODS: get_materials
      IMPORTING VALUE(im_meins)    TYPE meins
      EXPORTING VALUE(et_material) TYPE tt_material.

  PROTECTED SECTION.
  PRIVATE SECTION.
ENDCLASS.



CLASS zcl_amdp_demo1 IMPLEMENTATION.
  METHOD get_materials by database PROCEDURE
                       FOR HDB
                       LANGUAGE SQLSCRIPT
                       OPTIONS READ-ONLY
                       USING mara.

    et_material = select matnr,
                         mtart,
                         ersda,
                         matnr_external from mara
                         where meins = :im_meins;



  ENDMETHOD.

ENDCLASS.
```

Sample report code

```
*&---------------------------------------------------------------------*
*& Report ZDEMO_PROG1
*&---------------------------------------------------------------------*
```

```
*&
*&--------------------------------------------------------------------*
REPORT zdemo_prog1.

PARAMETERS p_meins TYPE meins.

DATA(lo_amdp) = NEW zcl_amdp_demo1( ).

lo_amdp->get_materials(
    EXPORTING
      im_meins = p_meins
    IMPORTING
      et_material = DATA(lt_material)
      ).

cl_demo_output=>display_data( EXPORTING value = lt_material ).
```