```abap
*&---------------------------------------------------------------------*
*& Report Z_FIN_CALC
*&---------------------------------------------------------------------*
*&
*&---------------------------------------------------------------------*
* REMEMBER to activate the function group
REPORT z_fin_calc.

SELECTION-SCREEN BEGIN OF BLOCK b1 .
* payment each term
PARAMETERS: amount   TYPE p LENGTH 8 DECIMALS 2,
            interest TYPE p LENGTH 8 DECIMALS 2,
            terms    TYPE i.

SELECTION-SCREEN END OF BLOCK b1 .

SELECTION-SCREEN BEGIN OF BLOCK b2 .
* present value
PARAMETERS: futvalue TYPE p LENGTH 8 DECIMALS 2 .

SELECTION-SCREEN END OF BLOCK b2 .

SELECTION-SCREEN BEGIN OF BLOCK b3 .
* future value
PARAMETERS: prevalue TYPE p LENGTH 8 DECIMALS 2 .
SELECTION-SCREEN END OF BLOCK b3 .

DATA:
  paymenteachterm TYPE p DECIMALS 2,
  presentvalue    TYPE p DECIMALS 2,
  futurevalue     TYPE p DECIMALS 2.

* copy function name to Pattern
CALL FUNCTION 'Z_PAYMENT_EACH_TERM1'
  EXPORTING
    am  = amount
    in  = interest
    te  = terms
  CHANGING
    pet = paymenteachterm.

WRITE:  / 'Payment each term: ', paymenteachterm.

CALL FUNCTION 'Z_PRESENT_VALUE'
  EXPORTING
    fv = futvalue
    in = interest
    te = terms
  CHANGING
    pv = presentvalue.

write: / ' Present value:', presentvalue.

CALL FUNCTION 'Z_FUTURE_VALUE1'
  EXPORTING
```

```abap
      preval = prevalue
      in     = interest
      te     = terms
    CHANGING
      futval = futurevalue.


write: / 'Future value: ', futurevalue.
```

```abap
FUNCTION Z_PAYMENT_EACH_TERM1.
*"----------------------------------------------------------------------
*"*"Local Interface:
*"  IMPORTING
*"     REFERENCE(AM) TYPE  P
*"     REFERENCE(IN) TYPE  P
*"     REFERENCE(TE) TYPE  I
*"  CHANGING
*"     REFERENCE(PET) TYPE  P
*"----------------------------------------------------------------------
PET = ( AM * IN ) / ( 1 - ( 1 + IN ) ** ( - TE ) ) .




ENDFUNCTION.
```

```abap
FUNCTION Z_PRESENT_VALUE.
*"----------------------------------------------------------------------
*"*"Local Interface:
*"  IMPORTING
*"     REFERENCE(FV) TYPE  P
*"     REFERENCE(IN) TYPE  P
*"     REFERENCE(TE) TYPE  I
*"  CHANGING
*"     REFERENCE(PV) TYPE  P
*"----------------------------------------------------------------------
PV = FV * ( 1 + IN ) ** - TE .
WRITE 'Z_PRESENT_VALUE' .




ENDFUNCTION.
```

```abap
FUNCTION Z_FUTURE_VALUE1.
*"----------------------------------------------------------------------
*"*"Local Interface:
*"  IMPORTING
*"     REFERENCE(PREVAL) TYPE  P
*"     REFERENCE(IN) TYPE  P
*"     REFERENCE(TE) TYPE  I
*"  CHANGING
*"     REFERENCE(FUTVAL) TYPE  P
*"----------------------------------------------------------------------

futval = preval * ( 1 + IN ) ** TE .
write 'Z_FUTURE_VALUE1' .



ENDFUNCTION.
```