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NPM : 1194012

Subrutin merupakan prosedur yang dapat didefinisikan dalam program ABAP dan dapat disebut bentuk dalam program ABAP. Subrutin juga digunakan secara lokal, subrutin ini umumnya dipanggil dari program dimana mereka didefinisikan.

“Praktikum Subroutines”

A. Buat Program Z_GLOBAL_1194012

Berikut merupakan sc dari program Z_GLOBAL_1194012 :

```
*-----*
* Report      Z_GLOBAL_1194012
*
*-----*
*
*-----*

REPORT Z_GLOBAL_1194012.
DATA: v_int1_1194012 type i,
      v_int2_1194012 type i,
      v_sum_1194012 type i.

perform sum1.
write :/.
write: 'Hasilnya adalah:', v_sum_1194012.
write :/.
perform sum2.
write :/.
write: 'Hasilnya adalah:', v_sum_1194012.

*-----*
* Form SUM1
*
*-----*
* text
*
*-----*
* --> p1 text
* <-- p2 text
*-----*

form sum1.
  v_int1_1194012 = 12.
  v_int2_1194012 = 11.
  v_sum_1194012 = v_int1_1194012 + v_int2_1194012.
  write: 'Hasilnya adalah:', v_sum_1194012.
endform.                                " SUM 1

*-----*
* Form SUM2
*
*-----*
* text
*
*-----*
* --> p1 text
* <-- p2 text
*-----*

form sum2.
  local: v_int1_1194012,
         v_int2_1194012,
         v_sum_1194012.
```

```

v_int1_1194012 = 12.
v_int2_1194012 = 11.
v_sum_1194012 = v_int1_1194012 + v_int2_1194012.
write: 'Hasilnya adalah:', v_sum_1194012.
endform.

```

Maka hasil nya jadi seperti ini :

The screenshot shows the SAP ABAP program execution interface. At the top, there's a header bar with the SAP logo and the program name 'PROGRAM GLOBAL 1194012'. Below the header, there's a toolbar with various icons for saving, deleting, and other actions. The main area displays the execution results of the program. It shows four lines of output, each starting with 'Hasilnya adalah:' followed by the value '23'.

2. Pada program kedua ini buat dengan nama Z_LOCAL_1194012

Berikut merupakan sc pada program Z_LOCAL_1194012 :

```

*-----*
* Report      Z_LOCAL_1194012
*-----*
*
*-----*
*
*-----*

REPORT Z_LOCAL_1194012.

perform sroutine1.
perform sroutine1.
skip.
perform sroutine2.
perform sroutine2.

*-----*
* Form SROUTINE1
*-----*
*text
*-----*
* --> p1 text
* <-- p2 text
*-----*

form sroutine1.

    data lv_text_1194012 type string value 'INIT'.
    write: lv_text_1194012.
    lv_text_1194012 = 'ENI'.
    write: lv_text_1194012.
endform.                                "SROUTINE1

*-----*
* Form SROUTINE2
*-----*
*text
*-----*

```

```

* ----> p1 text
* <--- p2 text
*-----*

form sroutine2.

    statics lv_text_1194012 type string value 'INIT'.
    write: lv_text_1194012.
    lv_text_1194012 = 'LESTART'.
    write: lv_text_1194012.
endform.                                "SRoutine2

```

Maka hasil nya akan jadi seperti ini :

The screenshot shows the SAP ABAP editor interface for a program named 'PROGRAM LOCAL 1194012'. The output window displays the results of the program execution, which are two lines of text: 'INIT ENI INIT ENI' and 'INIT LESTARI LESTARI LESTARI'.

3. Pada program ketiga ini buat dengan nama program Z_BYREFERENCE_1194012

Berikut sc pada program Z_BYREFERENCE_1194012 :

```

*-----*
* Report      Z_BYREFERENCE_1194012
*
*-----*
*
*
*-----*

REPORT Z_BYREFERENCE_1194012.

data: v_sum_1194012 type i,
      v_num1_1194012 type i,
      v_num2_1194012 type i.
v_num1_1194012 = 12 + 5.
v_num2_1194012 = 11 + 10.
write:/ 'Variable 1 :', v_num1_1194012,
        'Variable 2 :', v_num2_1194012.
perform pass using v_num1_1194012
                  v_num2_1194012.

skip.
write:/ 'Variable 1 :', v_num1_1194012,
        'Variable 2 :', v_num2_1194012.

*-----*
* Form PASS
*
*text
*-----*
* ----> P_V_NUM1 text
* <--- P_V_NUM2 text
*-----*

form pass using p_v_num1_1194012 type i

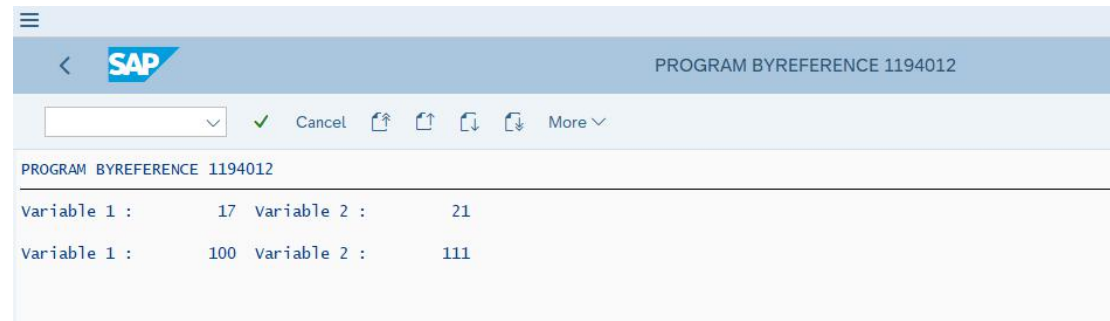
```

```

                p_v_num2_1194012 type i.
p_v_num1_1194012 = 100.
p_v_num2_1194012 = 111.
endform.      "PASS

```

Tampilan dari program Z_BYREFERENCE_1194012 :



4. Selanjutnya program keempat, buat dengan nama Z_BYVALUE_1194012

Tambahkan sc pada program Z_BYVALUE_1194012 :

```

*-----*
* Report      Z_BYVALUE_1194012
*
*-----*
*
*
*-----*

REPORT      Z_BYVALUE_1194012.

data: v_sum_1194012 type i,
      v_num1_1194012 type i,
      v_num2_1194012 type i.
v_num1_1194012 = 12 + 5.
v_num2_1194012 = 11 + 10.
write: / 'Variable 1 :',v_num1_1194012,
        'Variable 2 : ',v_num2_1194012.
perform pass using v_num1_1194012
                  v_num2_1194012.

skip.
write: / 'Variable 1 :',v_num1_1194012,
        'Variable 2 : ',v_num2_1194012.

*-----*
* Form      PASS
*
*text
*-----*
* ----> P_V_NUM1 text
* <--- P_V_NUM2 text
*-----*

form pass using value(p_v_num1_1194012)
                value(p_v_num2_1194012).
p_v_num1_1194012 = 100.
p_v_num2_1194012 = 111.
endform.      "PASS

```

Maka ini hasil dari program Z_BYVALUE_1194012 :

PROGRAM BYVALUE 1194012			
PROGRAM BYVALUE 1194012			
Variable 1 :	17	Variable 2 :	21
Variable 1 :	17	Variable 2 :	21

5. Untuk program yang terakhir ini yaitu program kelima, buat dengan nama Z_BYVALUEREFF_1194012

Lalu tambahkan sc pada program Z_BYVALUEREFF_1194012 :

```

*-----*
* Report      Z_BYVALUEREFF_1194012
*-----*
*
*
*-----*

REPORT Z_BYVALUEREFF_1194012.

data: v_sum_1194012 type i,
      v_num1_1194012 type i,
      v_num2_1194012 type i.
v_num1_1194012 = 12 + 5.
v_num2_1194012 = 11 + 10.
write:/ 'Variable 1:',v_num1_1194012,
'Variable 1:',v_num2_1194012.
perform pass using v_num1_1194012
changing v_num2_1194012.
skip.
write:/ 'Variable 1:',v_num1_1194012,
'Variable 1:',v_num2_1194012.

*-----*
* Form PASS
*-----*
*text
*-----*
* --> P_V_NUM1 text
* <-- P_V_NUM2 text
*-----*

form pass using value(p_v_num1_1194012) type i
changing value(p_v_num2_1194012) type i.
p_v_num1_1194012 = 100.
p_v_num2_1194012 = 111.
endform. "PASS

```

Maka hasilnya jadi seperti ini :



PROGRAM BYVALUEREFF 1194012



Cancel



More ▾

PROGRAM BYVALUEREFF 1194012

Variable 1:	17	Variable 1:	21
Variable 1:	17	Variable 1:	111