

```

VAR
i : INT; (* Auxiliary counter *)
Sm : SYSSERIALMODE; (* Serial mode *)
Fp : FILEP; (* File pointer *)
TimeBf : UDINT; (* Time buffer (uS) *)
GetPage : HTTPGetPage; (* HTTPGetPage FB *)
DBuffer : STRING[ 32 ]; (* Data buffer *)
Divisor : REAL := 10; (* Valore divisore *)
Dividend : REAL := 120; (* Valore dividendo *)
Result : ARRAY[ 0..1 ] OF REAL; (* Valore risultato *)
CaseNr : USINT; (* Case gestione *)
END_VAR

```

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1 (* ***** *)
2 (* PROGRAM "GetTwoWebPages" *)
3 (* ***** *)
4 (* Questo programma esegue la richiesta di due pagine Web. *)
5 (* ----- *)
6
7 (* ----- *)
8 (* ESEGUO INIZIALIZZAZIONI *)
9 (* ----- *)
10 (* Eseguo apertura e parametrizzazione porta seriale. *)
11
12 IF (SysFirstLoop) THEN
13     Fp:=Sysfopen('COM0', 'rw'); (* File pointer *)
14     i:=SysGetSerialMode(ADR(Sm), Fp);
15     Sm.Baudrate:=115200; (* Baud rate *)
16     Sm.DataBits:=8; (* Data bits *)
17     Sm.Parity:='E'; (* Parity *)
18     Sm.DTRManagement:=DTR_AUTO_WO_TIMES;
19     i:=SysSetSerialMode(ADR(Sm), Fp);
20
21     (* Eseguo configurazione richiesta pagina. *)
22
23     GetPage.File:=Fp; (* File pointr *)
24     GetPage.Request:=ADR(DBuffer);
25     GetPage.PBuffer:=ADR(DBuffer);
26     GetPage.PLength:=SIZEOF(DBuffer);
27     GetPage.Timeout:=10000; (* Timeout (mS) *)
28
29 END_IF;
30
31 (* ----- *)
32 (* ESEGUO RICHIESTA PAGINA WEB *)
33 (* ----- *)
34 (* Gestione richiesta pagina Web. *)
35
36 GetPage(); (* HTTPGetPage FB *)
37 IF (GetPage.Fault) THEN CaseNr:=0; END_IF;
38
39 (* ----- *)
40 (* GESTIONE CASES RICHIESTA *)
41 (* ----- *)
42 (* Gestione richiesta pagina Web. *)
43
44 CASE (CaseNr) OF

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Project : HTTPGetTwoPages

PROGRAM : GetTwoWebPages

Release : HTTPGet

Ver :1.00

Author :

Date:27/03/2015

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PROGRAM GetTwoWebPages

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45
46      (* ----- *)
47      (* TEMPORIZZAZIONE RICHIESTA *)
48      (* ----- *)
49      (* Eseguo temporizzazione richiesta pagina. *)
50
51      0:
52      GetPage.Get:=FALSE; (* Get the page *)
53      TimeBf:=SysGetSysTime(FALSE); (* Time buffer (uS) *)
54      CaseNr:=CaseNr+1; (* Case gestione *)
55
56      (* ----- *)
57      (* Eseguo temporizzazione richiesta pagina. *)
58
59      1:
60      IF ((SysGetSysTime(TRUE)-TimeBf) < 5000000) THEN RETURN; END_IF;
61      CaseNr:=10; (* Case gestione *)
62
63      (* ----- *)
64      (* RICHIESTA 1a PAGINA *)
65      (* ----- *)
66      (* Compilo campi request passati in GET. *)
67
68      10:
69      i:=SysVarsnprintf(ADR(DBuffer), 16, 'Dividend=%.3f', REAL_TYPE, ADR(Dividend));
70      i:=SysVarsnprintf(ADR(DBuffer)+LEN(DBuffer), 16, '$26Divisor=%.3f', REAL_TYPE, ADR(Divisor));
71      GetPage.Page:= 'HTTPGet/Example.php'; (* Page to request *)
72      GetPage.Host:='www.slimline.altervista.org'; (* Hostname *)
73      GetPage.Get:=TRUE; (* Get the page *)
74      CaseNr:=CaseNr+1; (* Case gestione *)
75
76      (* ----- *)
77      (* Attesa fine ricezione e gestione dati ricevuti da pagina. *)
78
79      11:
80      IF NOT(GetPage.Done) THEN RETURN; END_IF;
81      GetPage.Get:=FALSE; (* Get the page *)
82
83      IF (GetPage.Ok) THEN
84          i:=SysVarsscanf(ADR(DBuffer), 'The result is:%f', REAL_TYPE, ADR(Result[0]));
85      END_IF;
86      CaseNr:=20; (* Case gestione *)
87
88      (* ----- *)
89      (* RICHIESTA 2a PAGINA *)
90      (* ----- *)
91      (* Compilo campi request passati in GET. *)
92
93      20:
94      i:=SysVarsnprintf(ADR(DBuffer), 16, 'Dividend=%.3f', REAL_TYPE, ADR(Dividend));
95      i:=SysVarsnprintf(ADR(DBuffer)+LEN(DBuffer), 16, '$26Divisor=%.3f', REAL_TYPE, ADR(Divisor));
96      GetPage.Page:= 'Tutorials/HTTPProtocol.php'; (* Page to request *)
97      GetPage.Host:='www.slimline.altervista.org'; (* Hostname *)
98      GetPage.Get:=TRUE; (* Get the page *)
99      CaseNr:=CaseNr+1; (* Case gestione *)
100
101      (* ----- *)
102      (* Attesa fine ricezione e gestione dati ricevuti da pagina. *)
103
104      21:

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105      IF NOT(GetPage.Done) THEN RETURN; END_IF;
106      GetPage.Get:=FALSE; (* Get the page *)
107
108      IF (GetPage.Ok) THEN
109          i:=SysVarsscanf(ADR(DBuffer), 'The result is:%f', REAL_TYPE, ADR(Result[1]));
110      END_IF;
111      CaseNr:=0; (* Case gestione *)
112  END_CASE;
113
114  (* [End of file] *)
115
116

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