

VAR

```

Fp : FILEP; (* File pointer *)
Sm : SYSSERIALMODE; (* Serial mode *)
i : INT; (* Auxiliary variable *)
TimeBf : UDINT; (* Time buffer *)
CaseNr : USINT; (* Program case *)
RxString : STRING[ 32 ]; (* Rx string *)
RxChars : USINT; (* Nr of characters *)
Ptr : @USINT; (* Auxiliary pointer *)
Weight : REAL; (* Weight value (Kg) *)
END_VAR

```

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1 (* ***** *)
2 (* PROGRAM "WeightAcquire" *)
3 (* ***** *)
4 (* Questo programma esegue l'acquisizione del valore di peso. *)
5 (* ----- *)
6
7 (* ----- *)
8 (* INIZIALIZZAZIONE *)
9 (* ----- *)
10 (* Apro COM0 port in read/write ed inizializzo variabili. *)
11
12 IF (SysFirstLoop) THEN
13     Fp:=Sysfopen('COM0', 'rw'); (* File pointer *)
14
15     (* Imposto parametri seriali. *)
16
17     i:=SysGetSerialMode(ADR(Sm), Fp);
18     Sm.Baudrate:=19200; (* Baud rate *)
19     Sm.Parity:='E'; (* Parity *)
20     Sm.DataBits:=8; (* Data bits *)
21     i:=SysSetSerialMode(ADR(Sm), Fp);
22 END_IF;
23
24 (* ----- *)
25 (* CASES PROGRAMMA *)
26 (* ----- *)
27 (* Gestione case programma. *)
28
29 CASE (CaseNr) OF
30
31     (* ----- *)
32     (* Inizializzo ricezione stringa. *)
33
34     0:
35     RxChars:=0; (* Nr of characters *)
36     Ptr:=ADR(RxString); (* Auxiliary pointer *)
37     CaseNr:=CaseNr+1; (* Program case *)
38
39     (* ----- *)
40     (* Acquisisco i caratteri ricevuti, la stringa termina con <CR>. *)
41
42     1:
43     WHILE (SysGetIChars(Fp) > 0) DO
44         i:=Sysfgetc(Fp); (* Acquisisco il carattere *)
45

```

Project : WeightAcquire

PROGRAM : WeightAcquire

Release : WeightAcqu

Ver :1.00

Author :

Date:16/06/2014

Note :

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PROGRAM WeightAcquire

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46      (* Controllo se <CR> fine stringa o se superato lunghezza. *)
47
48      IF (i = 16#0D) THEN @Ptr:=0; CaseNr:=CaseNr+1; RETURN; END_IF;
49      IF (RxChars >= SIZEOF(RxString)) THEN CaseNr:=0; RETURN; END_IF;
50
51      (* Trasferisco carattere in buffer ricezione. *)
52
53      @Ptr:=TO_USINT(i);
54      Ptr:=Ptr+1; (* Auxiliary pointer *)
55  END_WHILE;
56
57      (* ----- *)
58      (* Arrivo con la stringa "Peso:120.5 Kg" catturata dalla pesa. *)
59
60      2:
61      i:=SysVarsscanf(ADR(RxString), 'Peso:%f', REAL_TYPE, ADR(Weight));
62      CaseNr:=0; (* Program case *)
63  END_CASE;
64
65 (* [End of file] *)
66
67

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