

```
1: const std = @import("std");
2:
3:
4: /// terminal Fonction
5: const term = @import("cursed");
6: // keyboard
7: const kbd = @import("cursed").kbd;
8:
9: // error
10: const dsperr = @import("forms").dsperr;
11:
12: // full delete for produc
13: const forms = @import("forms");
14:
15: // frame
16: const frm = @import("forms").frm;
17:
18: // panel
19: const pnl = @import("forms").pnl;
20:
21: // button
22: const btn = @import("forms").btn;
23:
24: // label
25: const lbl = @import("forms").lbl;
26:
27: // flied
28: const fld = @import("forms").fld;
29:
30: // line horizontal
31: const lnh = @import("forms").lnh;
32:
33: // line vertival
34: const lnv = @import("forms").lnv;
35:
36: // grid
37: const grd = @import("grid").grd;
38:
39: // menu
40: const mnu = @import("menu").mnu;
41:
42: // tools utility
43: const utl = @import("utils");
44:
45: // tools regex
46: const reg = @import("match");
```

```
47:
48: // tools execve Pgm
49: const mdl = @import("modul");
50:
51: /// Errors
52: pub const Error = error{
53:     main_function_Enum_invalide,
54: };
55:
56:
57: /// -----
58: /// Exemple defined Panel Label Field Button Menu Grid
59: /// -----
60:
61: pub fn Panel_Fmt01() *pnl.PANEL {
62:
63:     //-----
64:     // Panel
65:     // Name Panel, Pos X, Pos Y,
66:     // nbr Lines, nbr columns
67:     // Attribut Panel
68:     // Type frame, Attribut frame
69:     // Title Panel, Attribut: Title
70:     var Panel : *pnl.PANEL = pnl.newPanelC("Fmt01",
71:         1, 1,
72:         32,
73:         132,
74:         forms.CADRE.line1,
75:         "TITLE");
76:
77:     //-----
78:     // Label
79:     // Name , pos X, pos Y,
80:     // Text , Attribut Text
81:     Panel.label.append(lbl.newLabel("free",2,2,"Text-Free.....:"))
82:     ) catch unreachable ;
83:
84:     Panel.label.append(lbl.newLabel("full",3,2,"Text-Full.....protect.....:"))
85:     ) catch unreachable ;
86:
87:     Panel.label.append(lbl.newLabel("cb01",3,62,"Fonction 01...:"))
88:     ) catch unreachable ;
89:
90:     Panel.label.append(lbl.newLabel("cb02",4,62,"Fonction 02...:"))
91:     ) catch unreachable ;
92:
```

```
93: Panel.label.append(lbl.newLabel("alpha",5,2,"Text-Alpha.....:"))
94: ) catch unreachable ;
95:
96: Panel.label.append(lbl.newLabel("alphaupper",6,2,"Text-Alpha-Uppercase.....:"))
97: ) catch unreachable ;
98:
99: Panel.label.append(lbl.newLabel("alphanumeric",7,2,"Text-Alpha-Numeric.....:"))
100: ) catch unreachable ;
101:
102: Panel.label.append(lbl.newLabel("alphanumericupper",8,2,"Text-Alpha-Numeric-Uppercase.:"))
103: ) catch unreachable ;
104:
105: Panel.label.append(lbl.newLabel("password",10,2,"Text-Password.....:"))
106: ) catch unreachable ;
107:
108: Panel.label.append(lbl.newLabel("yesno",11,2,"Text-Yes or No.....:"))
109: ) catch unreachable ;
110:
111: Panel.label.append(lbl.newLabel("udigit",13,2,"Text-Unsigned.Digit.....:"))
112: ) catch unreachable ;
113:
114: Panel.label.append(lbl.newLabel("digit",14,2,"Text-signed.Digit.....:"))
115: ) catch unreachable ;
116:
117: Panel.label.append(lbl.newLabel("udecimal",15,2,"Text-unsigned.Ddecimal.....:"))
118: ) catch unreachable ;
119:
120: Panel.label.append(lbl.newLabel("decimal",16,2,"Text-signed.Ddecimal.....:"))
121: ) catch unreachable ;
122:
123: Panel.label.append(lbl.newLabel("dateiso",18,2,"Text-Date-ISO.....:"))
124: ) catch unreachable ;
125:
126: Panel.label.append(lbl.newLabel("datefr",19,2,"Text-Date-FR.....:"))
127: ) catch unreachable;
128:
129: Panel.label.append(lbl.newLabel("dateus",20,2,"Text-Date-US.....:"))
130: ) catch unreachable;
131:
132: Panel.label.append(lbl.newLabel("telephone",22,2,"Text-Telephone..US.....:"))
133: ) catch unreachable;
134:
135: Panel.label.append(lbl.newLabel("telephone2",24,2,"Text-Telephone..Standard.....:"))
136: ) catch unreachable;
137:
138: Panel.label.append(lbl.newLabel("mail",26,2,"Text-Mail.....:"))
```

```
139:     ) catch unreachable;
140:
141:     Panel.label.append(lbl.newLabel("switch",28,2,"Text-Switch.....:",)
142:     ) catch unreachable;
143:
144:     Panel.label.append(lbl.newTitle("TITLE",29,70,"Title ex : FACTURE",)
145:     ) catch unreachable;
146:
147:     //example: option specific
148:     Panel.label.items[1].attribut.styled[0] = @intFromEnum(term.Style.styleItalic);
149:     Panel.label.items[1].attribut.styled[1] = @intFromEnum(term.Style.notStyle);
150:
151:
152: // Field
153:
154:
155:     Panel.field.append(fld.newFieldTextFree("free",2,32,           // Name , posx posy
156:                                           30,                     // width
157:                                           "free",                 // text
158:                                           true,                   // tofill
159:                                           "required",             // error msg
160:                                           "please enter text",     // help
161:                                           "",                     // regex
162:                                           )
163:     ) catch unreachable ;
164:
165:     Panel.field.append(fld.newFieldTextFull("full",3,32,          // Name , posx posy
166:                                           30,                     // width
167:                                           "full",                 // text
168:                                           true,                   // tofill
169:                                           "required",             // error msg
170:                                           "please enter text",     // help
171:                                           "",                     // regex
172:                                           )
173:     ) catch unreachable ;
174:
175:     fld.setProtect(Panel,1,true) catch unreachable;
176:
177:     Panel.field.append(fld.newFieldAlpha("alpha",5,32,            // Name , posx posy
178:                                           30,                     // width
179:                                           "abcd",                 // text
180:                                           true,                   // tofill
181:                                           "required",             // error msg
182:                                           "please enter text Alpha ctrl+p call Exemple", // help
183:                                           "^[a-zA-Z]{1,}$",         // regex
184:                                           )
```

```
185:     ) catch unreachable ;
186:
187:     fld.setCall (Panel, fld.getIndex (Panel, "alpha") catch unreachable, "exCallpgm") catch unreachable; // test appel pgm
188:
189:     Panel.field.append (fld.newFieldAlphaUpper ("alphaU", 6, 32,                                // Name , posx posy
190:                                     30,                                // width
191:                                     "ABCD",                                // text
192:                                     true,                                // tofill
193:                                     "required",                                // error msg
194:                                     "please enter text Alpha Uppercase", // help
195:                                     "",                                // regex
196:                                     )
197:     ) catch unreachable ;
198:
199:     Panel.field.append (fld.newFieldAlphaNumeric ("alphaN", 7, 32,                                // Name , posx posy
200:                                     30,                                // width
201:                                     "abcd12345",                                // text
202:                                     true,                                // tofill
203:                                     "required",                                // error msg
204:                                     "please enter text Alpha NumÃ©ric", // help
205:                                     "^[a-zA-Z]{1,1}[a-zA-Z0-9]{0,}", // regex
206:                                     )
207:     ) catch unreachable ;
208:
209:     Panel.field.append (fld.newFieldAlphaNumericUpper ("alphaNU", 8, 32,                                // Name , posx posy
210:                                     30,                                // width
211:                                     "ABCD12345",                                // text
212:                                     true,                                // tofill
213:                                     "required",                                // error msg
214:                                     "please enter text Alpha NumÃ©ric", // help
215:                                     "^[A-Z]{1,1}[A-Z0-9]{0,}", // regex
216:                                     )
217:     ) catch unreachable ;
218:
219:     Panel.field.append (fld.newFieldPassword ("password", 10, 32,                                // Name , posx posy
220:                                     30,                                // width
221:                                     "SECRET",                                // text
222:                                     true,                                // tofill
223:                                     "required",                                // error msg
224:                                     "please enter text Alpha NumÃ©ric", // help
225:                                     "",                                // regex
226:                                     )
227:     ) catch unreachable ;
228:
229:     Panel.field.append (fld.newFieldYesNo ("yesno", 11, 32,                                // Name , posx posy
230:                                     "N",                                // text
```

```
231:         true,                // tofill
232:         "required Y or N",    // error msg
233:         "",                  // help default "to validate Y or N "
234:     )
235: ) catch unreachable ;
236:
237: Panel.field.append(fld.newFieldUDigit("udigit",13,32,           // Name , posx posy
238:     5,                    // width
239:     "00102",              // text
240:     true,                 // tofill
241:     "Invalide value",     // error msg
242:     "value numeric not signed", // help
243:     "",                   // regex default standard
244: )
245: ) catch unreachable ;
246:
247: Panel.field.append(fld.newFieldDigit("digit",14,32,           // Name , posx posy
248:     5,                    // width
249:     "+00102",             // text
250:     true,                 // tofill
251:     "Invalide value",     // error msg
252:     "value numeric signed", // help
253:     "",                   // regex default standard
254: )
255: ) catch unreachable ;
256:
257: Panel.field.append(fld.newFieldUDecimal("udecimal",15,32,     // Name , posx posy
258:     10,                   // width
259:     2,                    // scal
260:     "001.02",             // text
261:     true,                 // tofill
262:     "Invalide value",     // error msg
263:     "",                   // help default
264:     "",                   // regex default standard
265: )
266: ) catch unreachable ;
267:
268: Panel.field.append(fld.newFieldDecimal("decimal",16,32,       // Name , posx posy
269:     10,                   // width
270:     2,                    // scal
271:     "+001.02",            // text
272:     true,                 // tofill
273:     "Invalide value",     // error msg
274:     "",                   // help default
275:     "",                   // regex default standard
276: )
```

[illegible]

```
323: Panel.field.append(fld.newFieldMail("mail",26,32,           // Name , posx posy
324:                               100,           // width
325:                               "gloups@gmail.com",       // text error
326:                               true,           // tofill
327:                               "required",           // error msg
328:                               "",           // help default
329:                               )
330: ) catch unreachable ;
331:
332: Panel.field.append(fld.newFieldSwitch("Switch",28,32,       // Name , posx posy
333:                               true,           // switch
334:                               "required",           // error msg
335:                               "",           // help
336:                               )
337: ) catch unreachable ;
338:
339: Panel.field.append(fld.newFieldFunc("cb01",3,76,           // Name , posx posy
340:                               20,           // width
341:                               "Amis",           // text
342:                               true,           // tofill
343:                               "comboFn01",           // Process for FUNC
344:                               "required",           // error msg
345:                               "select combo",           // help
346:                               )
347: ) catch unreachable ;
348:
349: fld.setCall(Panel,fld.getIndex(Panel,"cb01") catch unreachable,"exCallpgm") catch unreachable; // test appel pgm
350:
351: Panel.field.append(fld.newFieldFunc("cb02",4,76,           // Name , posx posy
352:                               20,           // width
353:                               "",           // text
354:                               false,           // tofill
355:                               "comboFn02",           // Process for FUNC
356:                               "required",           // error msg
357:                               "select combo",           // help
358:                               )
359: ) catch unreachable ;
360:
361:
362: // button-----
363: Panel.button.append(btn.newButton(
364:                               kbd.F3,           // function
365:                               true,           // show
366:                               false,           // check field
367:                               "Exit"           // title
368:                               )
```



```
369:     ) catch unreachable ;
370:
371:     Panel.button.append(btn.newButton(
372:         kbd.F2,                // function
373:         true,                  // show
374:         true,                  // check field
375:         "test"                 // title
376:     )
377:     ) catch unreachable ;
378:
379:     Panel.button.append(btn.newButton(
380:         kbd.F4,                // function
381:         true,                  // show
382:         true,                  // check field
383:         "test window"         // title
384:     )
385:     ) catch unreachable ;
386:
387:     Panel.button.append(btn.newButton(
388:         kbd.F5,                // function
389:         true,                  // show
390:         false,                 // check field
391:         "Menu"                 // title
392:     )
393:     ) catch unreachable ;
394:
395:     Panel.button.append(btn.newButton(
396:         kbd.F8,                // function
397:         true,                  // show
398:         false,                 // check control to Field
399:         "Grid"                 // title
400:     )
401:     ) catch unreachable ;
402:
403:     Panel.button.append(btn.newButton(
404:         kbd.F12,               // function
405:         true,                  // show
406:         false,                 // check control to Field
407:         "ClearPanel"          // title enrg record
408:     )
409:     ) catch unreachable ;
410:     Panel.button.append(btn.newButton(
411:         kbd.F24,               // function
412:         true,                  // show
413:         false,                 // check control to Field
414:         "Refresh"              // title enrg record
```

```
415:                                     )
416:     ) catch unreachable ;
417:     return Panel;
418: }
419:
420:
421:
422: pub fn Panel_Fmt0X() *pnl.PANEL {
423:
424:     //-----
425:     // Panel
426:     // Name Panel, Pos X, Pos Y,
427:     // nbr Lines, nbr columns
428:     // Attribut Panel
429:     // Type frame, Attribut frame
430:     // Title Panel, Attribut: Title
431:     var Panel : *pnl.PANEL = pnl.newPanelC("Fmt01",
432:         1, 1,
433:         8,
434:         70,
435:         forms.CADRE.line1,
436:         "TEST WINDOW");
437:
438:     //-----
439:     // Label
440:     // Name , pos X, pos Y,
441:     // Text , Attribut Text
442:     Panel.label.append(lbl.newLabel("free",2,2,"Text-Free.....:"))
443:     ) catch unreachable ;
444:
445:     Panel.label.append(lbl.newLabel("full",3,2,"Text-Full.....protect.....:"))
446:     ) catch unreachable ;
447:
448:     // button-----
449:     Panel.button.append(btn.newButton(
450:         kbd.F12,                // function
451:         true,                    // show
452:         false,                   // check field
453:         "Return"                 // title
454:     )
455:     ) catch unreachable ;
456:     return Panel;
457: }
458: //-----
459: //the menu is not double buffered it is not a Panel
460: pub fn Menu01() mnu.MENU {
```

```
461:     const m01 = mnu.newMenu(
462:         "Menu01",           // name
463:         2, 2,              // posX, posY
464:         mnu.CADRE.line1,   // type line fram
465:         mnu.MNUVH.vertical, // type menu vertical / horizontal
466:         &.{ "Open..",      // item
467:           "List..",
468:           "View..",
469:           "Delete",
470:           "New..",
471:           "Src...",
472:           "Exit.." }
473:     );
474:     return m01;
475: }
476:
477:
478: // combo-----
479: fn comboFn01( vpnl : *pnl.PANEL , vfld :* fld.FIELD) void {
480:     var cellPos:usize = 0;
481:
482:     const Xcombo : *grd.GRID = grd.newGridC(
483:         "Combo01",
484:         3, 75,
485:         4 ,
486:         grd.gridStyle,
487:         grd.CADRE.line1,
488:     );
489:     defer grd.freeGrid(Xcombo);
490:     defer grd allocatorGrid.destroy(Xcombo);
491:
492:     grd.newCell(Xcombo, "Choix", 15,grd.REFTYP.TEXT_FREE,term.ForegroundColor.fgGreen);
493:     grd.setHeaders(Xcombo) ;
494:
495:     grd.addRow(Xcombo , &.{ "----" });
496:     grd.addRow(Xcombo , &.{ "Famille" });
497:     grd.addRow(Xcombo , &.{ "Amis" });
498:     grd.addRow(Xcombo , &.{ "Professionel" });
499:     grd.addRow(Xcombo , &.{ "Docteur" });
500:
501:     if (std.mem.eql(u8,vfld.text, "----") == true)      cellPos = 0;
502:     if (std.mem.eql(u8,vfld.text, "Famille") == true)    cellPos = 1;
503:     if (std.mem.eql(u8,vfld.text, "Amis") == true)       cellPos = 2;
504:     if (std.mem.eql(u8,vfld.text, "Professionel") == true) cellPos = 3;
505:     if (std.mem.eql(u8,vfld.text, "Docteur") == true)    cellPos = 4;
506:
```

```
507:
508:     // Interrogation
509:     var Gkey :grd.GridSelect = undefined ;
510:     defer Gkey.Buf.deinit();
511:
512:     Gkey =grd.ioCombo(Xcombo,cellPos);
513:     pnl.rstPanel(grd.GRID,Xcombo, vpnl);
514:
515:
516:     if ( Gkey.Key == kbd.esc )    return ;
517:     vfld.text = Gkey.Buf.items[0];
518:     return ;
519: }
520:
521: fn comboFn02( vpnl : *pnl.PANEL , vfld :* fld.FIELD) void {
522:     var cellPos:usize = 0;
523:
524:     const Xcombo : *grd.GRID =  grd.newGridC(
525:                                     "Combo02",
526:                                     4, 75,
527:                                     4 ,
528:                                     grd.gridStyle,
529:                                     grd.CADRE.line1,
530:                                     );
531:
532:     defer grd.freeGrid(Xcombo);
533:     defer grd allocatorGrid.destroy(Xcombo);
534:
535:     grd.newCell(Xcombo,"Choix",15, grd.REFTYP.TEXT_FREE, term.ForegroundColor.fgGreen);
536:     grd.setHeaders(Xcombo) ;
537:
538:     grd.addRow(Xcombo , &.{ "----"});
539:     grd.addRow(Xcombo , &.{ "Informaticien"});
540:     grd.addRow(Xcombo , &.{ "sportif"});
541:
542:     if (std.mem.eql(u8,vfld.text,"----") == true)          cellPos = 0;
543:     if (std.mem.eql(u8,vfld.text,"Informaticien") == true)  cellPos = 1;
544:     if (std.mem.eql(u8,vfld.text,"sportif") == true)        cellPos = 2;
545:
546:     // Interrogation
547:     var Gkey :grd.GridSelect = undefined ;
548:     defer Gkey.Buf.deinit();
549:
550:     Gkey =grd.ioCombo(Xcombo,cellPos);
551:     pnl.rstPanel(grd.GRID,Xcombo, vpnl);
552:
```

```
553:     if ( Gkey.Key == kbd.esc ) return ;
554:     vfld.text = Gkey.Buf.items[0];
555:     return ;
556: }
557:
558: /// run emun Function ex: combo
559: pub const FnEnum = enum {
560:     comboFn01,
561:     comboFn02,
562:     none,
563:
564:     pub fn run(self: FnEnum, vpnl : *pnl.PANEL, vfld: *fld.FIELD ) void {
565:         switch (self) {
566:             .comboFn01 => comboFn01(vpnl,vfld),
567:             .comboFn02 => comboFn02(vpnl,vfld),
568:             else => dsperr.errorForms(vpnl, Error.main_function_Enum_invalide),
569:         }
570:     }
571:
572:     fn searchFn ( vtext: [] const u8 ) FnEnum {
573:         var i :usize = 0;
574:         const max :usize = @typeInfo(FnEnum).Enum.fields.len;
575:         while( i < max ) : (i += 1) {
576:             if ( std.mem.eql(u8, @tagName(@as(FnEnum,@enumFromInt(i))), vtext)) return @as(FnEnum,@enumFromInt(i));
577:         }
578:         return FnEnum.none;
579:     }
580: };
581: };
582: var callFunc: FnEnum = undefined;
583:
584:
585: /// run emun Function ex: combo
586: pub const FnProg = enum {
587:     exCallpgm,
588:     none,
589:
590:     pub fn run(self: FnProg, vpnl : *pnl.PANEL, vfld: *fld.FIELD ) void {
591:         switch (self) {
592:             .exCallpgm=> {
593:
594:                 mdl.callPgm("APPTERM",vfld.progcall)
595:                 catch |err| switch(err) {
596:                     mdl.ErrChild.Module_Invalid => {
597:                         const msgerr = std.fmt.allocPrint(utl.allocUtl,
598:                             " module {s} invalide appeller service Informatique ",
```

```
599:             .{vfld.progcall}) catch unreachable;
600:             defer utl.allocUtl.free(msgerr);
601:             forms.debeug(9999,msgerr);
602:             },
603:             else => unreachable,
604:         };
605:
606:         },
607:         else => dsperr.errorForms(vpnl, Error.main_function_Enum_invalide),
608:     }
609: }
610:
611: fn searchFn ( vtext: [] const u8 ) FnProg {
612:     var i :usize = 0;
613:     const max :usize = @typeInfo(FnProg).Enum.fields.len;
614:     while( i < max ) : (i += 1) {
615:         if ( std.mem.eql(u8, @tagName(@as(FnProg,@enumFromInt(i))), vtext)) return @as(FnProg,@enumFromInt(i));
616:     }
617:     return FnProg.none;
618:
619: }
620: };
621: var callProg: FnProg = undefined;
622:
623:
624: pub fn deinitWrk() void {
625:     term.deinitTerm();
626:     grd.deinitGrid();
627:     utl.deinitUtl();
628: }
629:
630: //test ----- pas de sortie output
631:
632: test "test" {
633:     var infox : []const u8 = "";
634:     infox = utl.concatStr("Info : ", infox );
635:     std.debug.print("{s}",.{infox});
636: }
637:
638:
639:
640: // main-----
641: pub fn main() !void {
642:
643:     // open terminal and config and offMouse , cursHide->(cursor hide)
644:     term.enableRawMode();
```

```

645: defer term.disableRawMode() ;
646:
647: // define Panel
648: var pFmt01 = Panel_Fmt01();
649:
650:
651: var mMenu01:mnu.MENU = Menu01();
652:
653:
654: // defines the receiving structure of the keyboard
655: var Tkey : term.Keyboard = undefined ;
656:
657: // work Panel-01
658: term.resizeTerm(pFmt01.lines,pFmt01.cols);
659:
660:
661: while (true) {
662:     // clean works
663:     term.deinitTerm();
664:     grd.deinitGrid();
665:     utl.deinitUtl();
666:
667:     Tkey.Key = pnl.ioPanel(pFmt01);
668:
669:     switch (Tkey.Key) {
670:
671:         .func => {
672:             callFunc = FnEnum.searchFn(pFmt01.field.items[pFmt01.idxfld].procfnc); // User clicks "increment"
673:             callFunc.run(pFmt01, &pFmt01.field.items[pFmt01.idxfld]);
674:         },
675:
676:         .call => {
677:             callProg = FnProg.searchFn(pFmt01.field.items[pFmt01.idxfld].progcall); // call programme ex: Exemple
678:             callProg.run(pFmt01, &pFmt01.field.items[pFmt01.idxfld]);
679:         },
680:
681:         .F2 => {
682:             // test control chek field
683:             pnl.msgErr(pFmt01,"le test de la saisie est OK");
684:         },
685:
686:         .F4 => {
687:             const pFmt0X = Panel_Fmt0X();
688:             _= pnl.ioPanel(pFmt0X);
689:             pnl.rstPanel(pnl.PANEL,pFmt0X, pFmt01);
690:             pnl.freePanel(pFmt0X);
691:             forms allocatorForms.destroy(pFmt0X);

```

```
691: },
692: .F5 => {
693:     const nitem = mnu.ioMenu(mMenu01,0);
694:     pnl.rstPanel(mnu.MENU,&mMenu01, pFmt01);
695:     std.debug.print("n°item {}",.{nitem});
696: },
697: .F8 => {
698:     var Gkey :grd.GridSelect = undefined ;
699:     Gkey.Key = term.kbd.none;
700:     Gkey.Buf = std.ArrayList([]const u8).init(grd.allocatorGrid);
701:
702:     // Grid -----
703:     var Grid01 : *grd.GRID =     grd.newGridC(
704:         "Grid01",                // Name
705:         20, 62,                  // posx, posy
706:         7,                       // numbers lines
707:         grd.gridStyle,           // separator | or   space
708:         grd.CADRE.line1,         // type line 1
709:     );
710:
711:
712:     if (grd.countColumns(Grid01) == 0) {
713:
714:         grd.newCell(Grid01,"ID",2,grd.REFTYP.UDIGIT,term.ForegroundColor.fgCyan) ;
715:         grd.newCell(Grid01,"Name",15,grd.REFTYP.TEXT_FREE,term.ForegroundColor.fgYellow);
716:         grd.newCell(Grid01,"animal",20,grd.REFTYP.TEXT_FREE,term.ForegroundColor.fgWhite) ;
717:         grd.newCell(Grid01,"prix",10,grd.REFTYP.DECIMAL,term.ForegroundColor.fgWhite) ;
718:         grd.setCellEditCar(&Grid01.cell.items[3], "â\202~");
719:         grd.newCell(Grid01,"HS",1,grd.REFTYP.SWITCH,term.ForegroundColor.fgRed) ;
720:         //grd.newCell(&Grid01,"Password",10,grd.REFTYP.PASSWORD,term.ForegroundColor.fgGreen) ;
721:         grd.setHeaders(Grid01);
722:         grd.printGridHeader(Grid01);
723:     }
724:
725:     grd.resetRows(Grid01);
726:
727:     grd.addRows(Grid01 , &.{ "1", "Adam", "Aigle", "+1000.00", "1", "tictac" });
728:     grd.addRows(Grid01 , &.{ "2", "Eve", "poisson", "-1001.00", "1", "tictac2" });
729:     grd.addRows(Grid01 , &.{ "3", "Rouge", "Aigle", "1002.00", "0", "tictac3" });
730:     grd.addRows(Grid01 , &.{ "4", "Bleu", "poisson", "100.00", "0", "tictac" });
731:     grd.addRows(Grid01 , &.{ "5", "Bleu5", "poisson", "100.00", "0", "tictac" });
732:     grd.addRows(Grid01 , &.{ "6", "Bleu6", "poisson", "100.00", "0", "tictac" });
733:     grd.addRows(Grid01 , &.{ "7", "Bleu7", "poisson", "100.00", "1", "tictac" });
734:     grd.addRows(Grid01 , &.{ "8", "Bleu8", "poisson", "100.00", "0", "tictac" });
735:     grd.addRows(Grid01 , &.{ "9", "Bleu9", "poisson", "100.00", "0", "tictac" });
736:     grd.addRows(Grid01 , &.{ "10", "Bleu10", "poisson", "100.00", "0", "tictac" });
```



```
737:   grd.addRow (Grid01 , &.{ "11", "Bleu11", "poisson", "100.00", "0", "tictac" });
738:   grd.addRow (Grid01 , &.{ "12", "Bleu12", "Canard", "100,00", "0", "tictac" });
739:
740:   //grd.dltRows (&Grid01 , 5) catch |err| {dsperr.errorForms (err); return;};
741:   while (true) {
742:       Gkey =grd.ioGrid(Grid01,true);
743:
744:       if ( Gkey.Key == kbd.enter and pFmt01.idxfld == 0) {
745:           fld.setText (pFmt01,0,Gkey.Buf.items[2]) catch |err| {dsperr.errorForms (pFmt01,err); return;};
746:           // exemple key reccord hiden
747:           //fld.setText (&pFmt01,0,Gkey.Buf.items[5]) catch |err| {dsperr.errorForms (err); return;};
748:           break;
749:       }
750:       if ( Gkey.Key == kbd.esc) {
751:           break;
752:       }
753:
754:       if (Gkey.Key == kbd.pageDown) {
755:           grd.resetRows (Grid01);
756:           grd.addRow (Grid01 , &.{ "13", "Bleu13", "poisson", "100,00", "0", "tictac" });
757:           grd.addRow (Grid01 , &.{ "14", "Bleu14", "Vache", "100,00", "0", "tictac" });
758:       }
759:       if (Gkey.Key == kbd.pageUp) {
760:           grd.resetRows (Grid01);
761:           grd.addRow (Grid01 , &.{ "1", "Adam", "Aigle", "1000,00", "1", "tictac" });
762:           grd.addRow (Grid01 , &.{ "2", "Eve", "poisson", "1001,00", "1", "tictac" });
763:           grd.addRow (Grid01 , &.{ "3", "Rouge", "Aigle", "1002,00", "0", "tictac" });
764:           grd.addRow (Grid01 , &.{ "4", "Bleu", "poisson", "100,00", "0", "tictac" });
765:           grd.addRow (Grid01 , &.{ "5", "Bleu5", "poisson", "100,00", "0", "tictac" });
766:           grd.addRow (Grid01 , &.{ "6", "Bleu6", "poisson", "100,00", "0", "tictac" });
767:           grd.addRow (Grid01 , &.{ "7", "Bleu7", "poisson", "100,00", "1", "tictac" });
768:           grd.addRow (Grid01 , &.{ "8", "Bleu8", "poisson", "100,00", "0", "tictac" });
769:           grd.addRow (Grid01 , &.{ "9", "Bleu9", "poisson", "100,00", "0", "tictac" });
770:           grd.addRow (Grid01 , &.{ "10", "Bleu10", "poisson", "100,00", "0", "tictac" });
771:           grd.addRow (Grid01 , &.{ "11", "Bleu11", "poisson", "100,00", "0", "tictac" });
772:           grd.addRow (Grid01 , &.{ "12", "Bleu12", "Canard", "100,00", "0", "tictac" });
773:       }
774:   }
775:   pnl.rstPanel (grd.GRID,Grid01, pFmt01);
776:   // if you have several grids please do a freeGrid on exit and a reloadGrid on enter
777:   grd.freeGrid (Grid01);
778:   grd allocatorGrid.destroy (Grid01);
779:   Gkey.Buf.deinit();
780:   grd.deinitGrid();
781:   // for debug control memoire in test CODELLDB
782:   // == kbd.getKEY();
```

```
783:         },
784:
785:         .F12 => {
786:             // function test clean
787:             deinitWrk();
788:             pnl.clearPanel(pFmt01);
789:             pnl.printPanel(pFmt01);
790:         },
791:         .F24 => {
792:             // function enrg file record
793:             pnl.freePanel(pFmt01);
794:             forms.deinitForms();
795:             deinitWrk();
796:             pFmt01 = Panel_Fmt01();
797:             pnl.printPanel(pFmt01);
798:         },
799:         else => {},
800:     }
801:     if (Tkey.Key == kbd.F3) break; // end work
802: }
803: }
```