



```

192 function __.clone(i,rows, out)
193 out=EGS();add(i.cols.names)
194 for __,row in pairs(rows or {}) do out:add(row) end
195 return out end
196
197 -----
198 GO=obj{GO"
199 function ok(test,msg)
200 print("", test and "PASS"or "FAIL ", msg or "")
201 if not test then
202 GO.fail+= GO.fail+1
203 if the.dump then assert(test,msg) end end end
204
205 function __.new(i,todo, b4,go)
206 b4={}; for k,v in pairs(the) do b4[k]=v end
207 go={}; for k,__ in pairs(GO) do
208 if k=="new" and type(GO[k])=="function" then go[1+#go]=k end end
209 GO.fail+= 0
210 for __,x in pairs(todo=="all" and sort(go) or {todo}) do
211 for k,v in pairs(b4) do the[k]=v end
212 math.randomseed(the.seed)
213 if GO[x] then print(x); GO[x]() end end
214 GO.rogue()
215 os.exit(fails) end
216
217 function GO.rogue( t)
218 t={}; for __,k in pairs{ "G", " VERSION", "arg", "assert", "collectgarbage",
219 "coroutine", "debug", "dofile", "error", "getmetatable", "io", "ipairs",
220 "load", "loadfile", "math", "next", "os", "package", "pairs", "pcall",
221 "print", "rawequal", "rawget", "rawlen", "rawset", "require", "select",
222 "setmetatable", "string", "table", "tonumber", "tostring", "type", "utf8",
223 "warn", "xpcall"} do t[k]=k end
224 for k,v in pairs(_ENV) do if not t[k] then print("?",k, type(v)) end end end
225
226 function GO.cols()
227 oo(COLS{names={"Cylids", "Acc+"}}) end
228
229 function GO.egs( egs,a,t)
230 egs = EGS():file(the.file)
231 a=egs.rows
232 oo(egs:mid())
233 sort(a)
234 t={}; for j=1,50 do push(t,a[j]) end; print("first",o(egs:clone(t):mid()))
235 t={}; for j=#a-50,#a do push(t,a[j]) end; print("first",o(egs:clone(t):mid()))
236 end
237
238 function GO.egs1( egs,a)
239 egs = EGS():file(the.file)
240 a=egs.rows
241 sort(a)
242 for j=1,5 do
243 for __,col in pairs(egs.cols.x) do col:addy(a[j].cells[col.at],true) end end
244 for j=#a-5,#a do
245 for __,col in pairs(egs.cols.x) do col:addy(a[j].cells[col.at],false) end end
246 end
247
248 -----
249 if the.help
250 then print(help:gsub("%u%u+", "%127[33m%127[0m")
251 :gsub("(%s)([~][~]?(^%s+)(%s)", "%127[34m%227[0m%3]", ""))
252 else GO(the.go) end
253
254

```