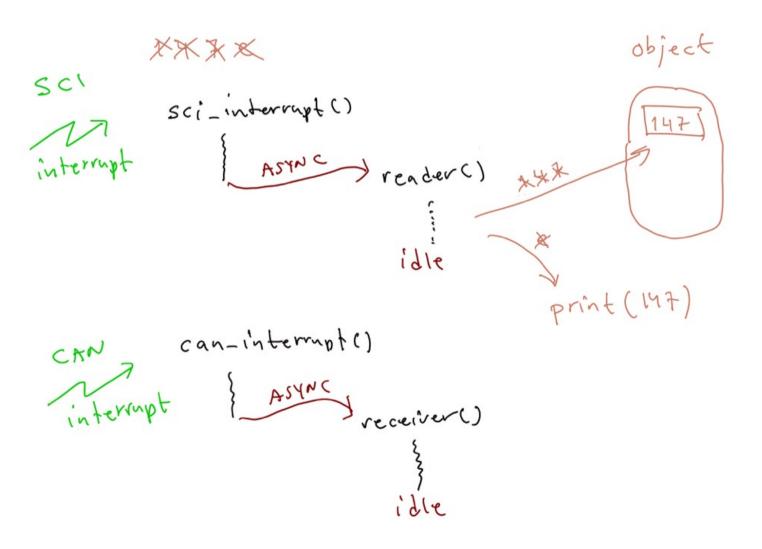




Exercise #2 – blackboard scribble



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```
Scl integer parser
#include "TinyTimber,h"
# include "sciTingTimber.h" = sci device driver functions
# include < stdlib.h) = to use atoic) function
# include ( Stdio.h) to use suprintf() function
typedef struct {
  Object superi
  int index; enext place to store typed character
  char buffer[50]; - to store typed character
} APP:
App app = { | nitobject(), 0, {0}};
                                         call-back information
void reader (App *, int);
Serial scip = init serial (SCI PORTO, & App, reader);
```

Exercise #2 – blackboard scribble

```
void reader (App x self, int @) { typed character on consider Keyboard
    Switch (c) {
       case 'd' ... '9': } valid characters for (decimal) integer
            Self - buffer [self -) index++] = Ci
            break:
       case 'e': end of integer delimiter
            self-Ibuffer [self-) index] = 10; < terminate C character
            int value = atoi (self -) buffer); < convert string to
            self-) index =0; ← clean input buffer integer data type
            char subuf[100];
            suprintf (subuf, 200, "Entered integer: %d10", value);
            SCI_WRITE (&scig, subuf); - output text to console
            breaki
        defaulti
            break;
```