{

 "patcher" : {

 "fileversion" : 1,

 "appversion" : {

 "major" : 7,

 "minor" : 3,

 "revision" : 5,

 "architecture" : "x86",

 "modernui" : 1

 }

,

 "rect" : [ 34.0, 78.0, 1143.0, 735.0 ],

 "bglocked" : 0,

 "openinpresentation" : 0,

 "default\_fontsize" : 12.0,

 "default\_fontface" : 0,

 "default\_fontname" : "Arial",

 "gridonopen" : 1,

 "gridsize" : [ 15.0, 15.0 ],

 "gridsnaponopen" : 1,

 "objectsnaponopen" : 1,

 "statusbarvisible" : 2,

 "toolbarvisible" : 1,

 "lefttoolbarpinned" : 0,

 "toptoolbarpinned" : 0,

 "righttoolbarpinned" : 0,

 "bottomtoolbarpinned" : 0,

 "toolbars\_unpinned\_last\_save" : 0,

 "tallnewobj" : 0,

 "boxanimatetime" : 200,

 "enablehscroll" : 1,

 "enablevscroll" : 1,

 "devicewidth" : 0.0,

 "description" : "",

 "digest" : "",

 "tags" : "",

 "style" : "",

 "subpatcher\_template" : "",

 "boxes" : [ {

 "box" : {

 "id" : "obj-47",

 "maxclass" : "newobj",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 454.0, 202.0, 57.0, 22.0 ],

 "style" : "",

 "text" : "print raw"

 }

 }

, {

 "box" : {

 "id" : "obj-46",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 454.0, 260.0, 50.0, 22.0 ],

 "style" : "",

 "text" : "50 52"

 }

 }

, {

 "box" : {

 "id" : "obj-44",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 354.5, 163.0, 50.0, 22.0 ],

 "style" : "",

 "text" : "0"

 }

 }

, {

 "box" : {

 "id" : "obj-38",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 454.0, 298.0, 50.0, 22.0 ],

 "style" : "",

 "text" : "\"24\""

 }

 }

, {

 "box" : {

 "id" : "obj-36",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 454.0, 344.0, 50.0, 22.0 ],

 "style" : "",

 "text" : "24"

 }

 }

, {

 "box" : {

 "id" : "obj-34",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 454.0, 401.0, 50.0, 22.0 ],

 "style" : "",

 "text" : "5"

 }

 }

, {

 "box" : {

 "id" : "obj-32",

 "maxclass" : "newobj",

 "numinlets" : 1,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 256.0, 298.0, 73.0, 22.0 ],

 "style" : "",

 "text" : "fromsymbol"

 }

 }

, {

 "box" : {

 "id" : "obj-31",

 "maxclass" : "newobj",

 "numinlets" : 3,

 "numoutlets" : 1,

 "outlettype" : [ "int" ],

 "patching\_rect" : [ 256.0, 260.0, 40.0, 22.0 ],

 "style" : "",

 "text" : "itoa"

 }

 }

, {

 "box" : {

 "id" : "obj-30",

 "maxclass" : "slider",

 "numinlets" : 1,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "parameter\_enable" : 0,

 "patching\_rect" : [ 256.0, 399.5, 155.0, 25.0 ],

 "style" : ""

 }

 }

, {

 "box" : {

 "id" : "obj-28",

 "maxclass" : "newobj",

 "numinlets" : 6,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 256.0, 344.0, 112.0, 22.0 ],

 "style" : "",

 "text" : "scale 0 1023 0 255"

 }

 }

, {

 "box" : {

 "id" : "obj-25",

 "knobcolor" : [ 1.0, 1.0, 1.0, 1.0 ],

 "maxclass" : "slider",

 "numinlets" : 1,

 "numoutlets" : 1,

 "orientation" : 2,

 "outlettype" : [ "" ],

 "parameter\_enable" : 0,

 "patching\_rect" : [ 256.0, 16.0, 18.0, 134.0 ],

 "size" : 255.0,

 "style" : ""

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-2",

 "maxclass" : "comment",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 329.0, 111.0, 101.0, 17.0 ],

 "style" : "",

 "text" : "get a list of serial ports"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-4",

 "maxclass" : "comment",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 136.5, 298.0, 112.0, 17.0 ],

 "style" : "",

 "text" : "Convert ASCII to symbol"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-5",

 "maxclass" : "comment",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 136.5, 270.0, 112.0, 17.0 ],

 "style" : "",

 "text" : "Convert integer to ASCII"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-9",

 "maxclass" : "newobj",

 "numinlets" : 2,

 "numoutlets" : 2,

 "outlettype" : [ "", "" ],

 "patching\_rect" : [ 256.0, 228.0, 55.0, 19.0 ],

 "style" : "",

 "text" : "zl group 4"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-10",

 "maxclass" : "newobj",

 "numinlets" : 3,

 "numoutlets" : 3,

 "outlettype" : [ "bang", "bang", "" ],

 "patching\_rect" : [ 256.0, 194.0, 59.0, 19.0 ],

 "style" : "",

 "text" : "select 13 10"

 }

 }

, {

 "box" : {

 "id" : "obj-11",

 "maxclass" : "toggle",

 "numinlets" : 1,

 "numoutlets" : 1,

 "outlettype" : [ "int" ],

 "parameter\_enable" : 0,

 "patching\_rect" : [ 187.0, 94.0, 15.0, 15.0 ],

 "style" : ""

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-12",

 "maxclass" : "newobj",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "bang" ],

 "patching\_rect" : [ 187.0, 116.0, 51.0, 19.0 ],

 "style" : "",

 "text" : "metro 100"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-13",

 "maxclass" : "message",

 "numinlets" : 2,

 "numoutlets" : 1,

 "outlettype" : [ "" ],

 "patching\_rect" : [ 291.0, 111.0, 32.0, 19.0 ],

 "style" : "",

 "text" : "print"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-14",

 "maxclass" : "newobj",

 "numinlets" : 1,

 "numoutlets" : 2,

 "outlettype" : [ "int", "" ],

 "patching\_rect" : [ 256.0, 163.0, 62.0, 19.0 ],

 "style" : "",

 "text" : "serial d 9600"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-15",

 "linecount" : 2,

 "maxclass" : "comment",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 3.0, 116.0, 148.0, 27.0 ],

 "style" : "",

 "text" : "Read serial input buffer every 10 milliseconds"

 }

 }

, {

 "box" : {

 "fontname" : "Arial",

 "fontsize" : 9.0,

 "id" : "obj-17",

 "maxclass" : "comment",

 "numinlets" : 1,

 "numoutlets" : 0,

 "patching\_rect" : [ 136.5, 67.0, 63.0, 17.0 ],

 "style" : "",

 "text" : "Start"

 }

 }

 ],

 "lines" : [ {

 "patchline" : {

 "destination" : [ "obj-9", 0 ],

 "source" : [ "obj-10", 2 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-9", 0 ],

 "midpoints" : [ 265.5, 216.0, 265.5, 216.0 ],

 "source" : [ "obj-10", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-12", 0 ],

 "source" : [ "obj-11", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-14", 0 ],

 "source" : [ "obj-12", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-14", 0 ],

 "midpoints" : [ 300.5, 158.0, 265.5, 158.0 ],

 "source" : [ "obj-13", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-10", 0 ],

 "order" : 1,

 "source" : [ "obj-14", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-47", 0 ],

 "order" : 0,

 "source" : [ "obj-14", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-14", 0 ],

 "order" : 1,

 "source" : [ "obj-25", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-44", 1 ],

 "order" : 0,

 "source" : [ "obj-25", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-30", 0 ],

 "order" : 1,

 "source" : [ "obj-28", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-34", 1 ],

 "order" : 0,

 "source" : [ "obj-28", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-25", 0 ],

 "midpoints" : [ 265.5, 438.0, 632.0, 438.0, 632.0, 5.0, 265.5, 5.0 ],

 "source" : [ "obj-30", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-32", 0 ],

 "order" : 1,

 "source" : [ "obj-31", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-38", 1 ],

 "order" : 0,

 "source" : [ "obj-31", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-28", 0 ],

 "order" : 1,

 "source" : [ "obj-32", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-36", 1 ],

 "order" : 0,

 "source" : [ "obj-32", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-31", 0 ],

 "order" : 1,

 "source" : [ "obj-9", 0 ]

 }

 }

, {

 "patchline" : {

 "destination" : [ "obj-46", 1 ],

 "order" : 0,

 "source" : [ "obj-9", 0 ]

 }

 }

 ],

 "dependency\_cache" : [ ],

 "autosave" : 0

 }

}