

- Control
- Operators
- Numbers
- Strings
- Values
- Variables
- Functions
- Pin states
- Communicate
- Sensor
- Memory
- Analog/Pulses
- Audio
- Servo
- Robot

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add comment EMIC2 Demo
add comment Send "S" to start speaking string
add comment Terminate string with new line, try 13 or NL
add comment After newline, wait until EMIC sends ":", ascii 58
add comment Pin definitions
emicRx = 6
emicTx = 7
add comment declare globals
mystring = Hello This is EMIC2
emic_ready = character 58 - :
x = 0
xstring = abcdefghijklmnop
y = 0
ystring = abcdefghijklmnop
answer = 0
astring = abcdefghijklmnop
Serial initialize RX 7 TX 6 baud 9600
Terminal print text mystring then a new line
Terminal print text Waiting for EMIC2 then a new line
add comment Clear EMIC2
from_emic = character 32 - space
Serial transmit byte (ASCII character) character 13 - carriage return
repeat until from_emic = emic_ready
do Serial receive byte (ASCII character) store in from_emic
mystring = Hello This is EMIC2
add comment Say mystring
run function "start_emic"
run function "send_words"
run function "now_talk"
mystring = Click the mouse in the terminal window
Terminal print text mystring then a new line
run function "start_emic"
run function "send_words"
run function "now_talk"
pause (ms) 100
Terminal print text EMIC does arithmetic then a new line
mystring = Enter a Number, wait until I finish speaking
Terminal print text mystring then a new line
run function "start_emic"
run function "send_words"
run function "now_talk"
Terminal receive number (32-bit integer) store in x

```