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Kodisi normal

Sebuah gambar berisi diagram, peta, cuplikan layar

Deskripsi dibuat secara otomatis

Button kanan di pencet mobil akan bergerak ke kanan

Sebuah gambar berisi diagram, peta, cuplikan layar

Deskripsi dibuat secara otomatis

button depan ditekan mobil akan bergerak ke depan

Sebuah gambar berisi diagram, peta, cuplikan layar

Deskripsi dibuat secara otomatis

Button kiri ditekan akan bergerak ke kiri

Sebuah gambar berisi diagram, peta, cuplikan layar

Deskripsi dibuat secara otomatis

Button mundur ditekan mobil akan bergerak mundur

Sebuah gambar berisi diagram, peta, cuplikan layar

Deskripsi dibuat secara otomatis

**Source code from car**

from time import \*

from gpio import \*

from ioeclient import \*

from physical import \*

def onInputReceive(input):

if input == "0":

print("going up")

moveBy(0, -20)

elif input == "1":

print("going down")

moveBy(0, 20);

elif input == "2":

print("going left")

moveBy(-20, 0);

elif input == "3":

print("going right")

moveBy(20, 0);

else:

print("stop")

def main():

# Setup Registration Server

IoEClient.setup({

"type": "Car",

"states": [{

"name": "Direction",

"type": "options",

"options": {

"0" : "Up",

"1" : "Down",

"2" : "Left",

"3" : "Right",

"4" : "Stop"

},

"controllable": True

}]

});

IoEClient.onInputReceive(onInputReceive)

while True:

delay(500)

if \_\_name\_\_ == "\_\_main\_\_":

main()

**source code from sbc**

from usb import \*

from time import \*

from gpio import \*

from ioeclient import \*

def getDir(x):

if "up" in x:

print("up")

return "0"

elif "down" in x:

print("down")

return "1"

elif "left" in x:

print("left")

return "2"

elif "right" in x:

print("right")

return "3"

else:

print(x)

return "4"

def main():

# start USB

usb = USB(0, 57600)

# Setup Registration Server

IoEClient.setup({

"type": "SBC",

"states": [{

"name": "Direction",

"type": "options",

"options": {

"0" : "Up",

"1" : "Down",

"2" : "Left",

"3" : "Right",

"4" : "Stop"

},

"controllable": False

}]

});

while True:

# read from USB

direction=""

while usb.inWaiting() > 0:

direction = usb.readLine()

IoEClient.reportStates(getDir(direction))

delay(500)

if \_\_name\_\_ == "\_\_main\_\_":

main()

**source code from mcu**

from usb import \*

from time import \*

from gpio import \*

def main():

# start USB

usb = USB(0, 57600)

pinMode(0, IN)

pinMode(1, IN)

pinMode(2, IN)

pinMode(3, IN)

while True:

if digitalRead(0) == HIGH:

usb.write("left");

elif digitalRead(1) == HIGH:

usb.write("right");

elif digitalRead(2) == HIGH:

usb.write("up");

elif digitalRead(3) == HIGH:

usb.write("down");

else:

usb.write("stop");

delay(500)

if \_\_name\_\_ == "\_\_main\_\_":

main()