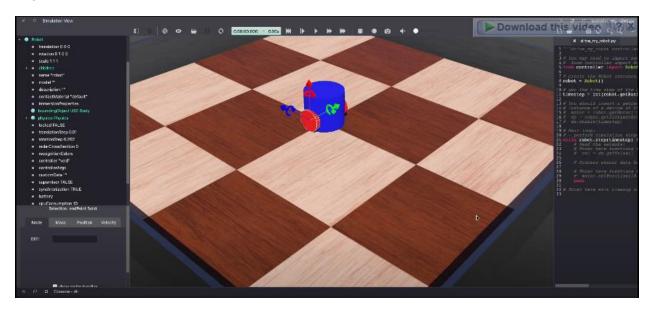
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TugasLecture 10 Robotics



Membuat controller di Weboots

Weboots Controller di python

```
from controller import Robot

if __name__ == "__main__":

    # create the Robot instance.
    robot = Robot()

# get the time step of the current world.

timestep = 64

# You should insert a getDevice-like function in order to get the # instance of a device of the robot. Something like:

# motor = robot.getMotor('motorname')

# ds = robot.getDistanceSensor('dsname')

# ds.enable(timestep)

left motor = robot.getMotor('motor_1')

right motor = robot.getMotor('motor_2')

left_motor.setPosition(float('inf'))

left_motor.setPosition(float('inf'))

left_motor.setVelocity(0.0)

# Main loop:

# - perform simulation steps until Webots is stopping the controll while robot.step(timestep) != -1:

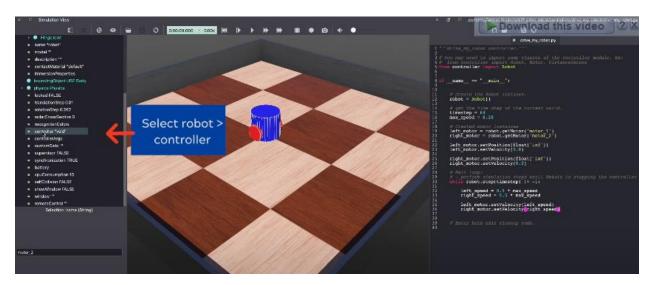
# Read the sensors:

# Enter here functions to read sensor data, like:

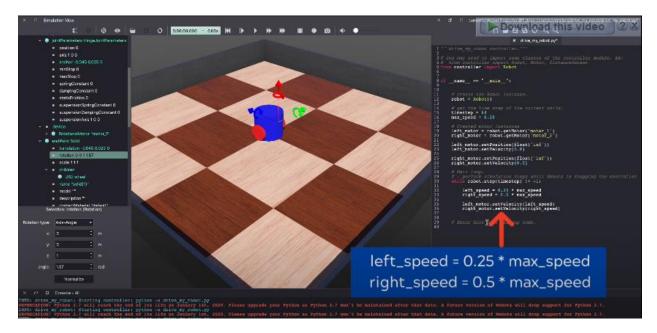
# val = ds.getValue()

# Process sensor data here.
```

Membuat control motor di weboots

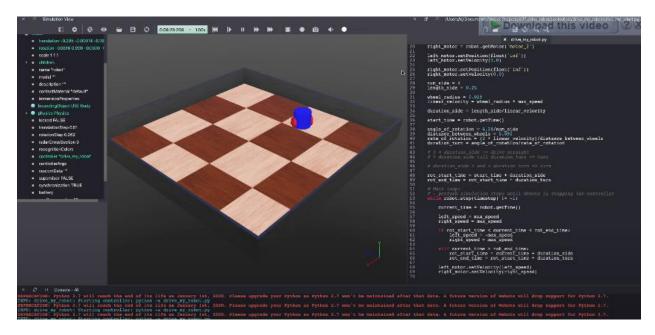


MenjalankanLurus



Menjalakan Robot

Robot berjalan pada polygon



Perbandingan antara open loops dan closed loops system