**Pi2Go Simulator Programming: WS20 Sample Answer**

**Exercise:**

import simclient.simrobot as pi2go

import time

import random

actions = ['forward', 'backward', 'left', 'right', 'stop']

pi2go.init()

action = random.choice(actions)

duration = random.randint(1, 5)

if (action == 'forward'):

pi2go.forward(10)

time.sleep(duration)

elif (action == 'backward'):

pi2go.reverse(10)

time.sleep(duration)

elif (action == 'left'):

pi2go.spinLeft(10)

time.sleep(duration)

elif (action == 'right'):

pi2go.spinRight(10)

time.sleep(duration)

else:

pi2go.stop()

pi2go.stop()



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