

UCTRONICS Program

forever

```
set distance to read uctronics ultrasonic module
set uctronics servo module angle 90
if distance > 10 then
  set uctronics robot car forward with speed 150
else
  set uctronics robot car stop with speed 0
  wait 0.5 secs
  set uctronics servo module angle 150
  set left_distance to read uctronics ultrasonic module
  wait 1 secs
  set uctronics servo module angle 30
  set right_distance to read uctronics ultrasonic module
  wait 1 secs
  if left_distance > 10 then
    set uctronics robot car left with speed 150
    wait 0.3 secs
    set uctronics robot car forward with speed 150
  else
    if right_distance > 10 then
      set uctronics robot car right with speed 150
      wait 0.3 secs
      set uctronics robot car forward with speed 150
    else
```

x: 0
y: -5

```
    set uctronics robot car backward with speed 150
    wait 2 secs
    set uctronics robot car stop with speed 0
    wait 0.5 secs
    set uctronics servo module angle 150
    set left_distance to read uctronics ultrasonic module
    wait 1 secs
    set uctronics servo module angle 30
    set right_distance to read uctronics ultrasonic module
    wait 1 secs
    if left_distance > 10 then
      set uctronics robot car left with speed 150
      wait 0.3 secs
      set uctronics robot car forward with speed 150
    else
      if right_distance > 10 then
        set uctronics robot car right with speed 150
        wait 0.3 secs
        set uctronics robot car forward with speed 150
      else
        set uctronics robot car backward with speed 150
        wait 1 secs
```

x: 0
y: -5