Student Name: Virtual Skills Online Challenge
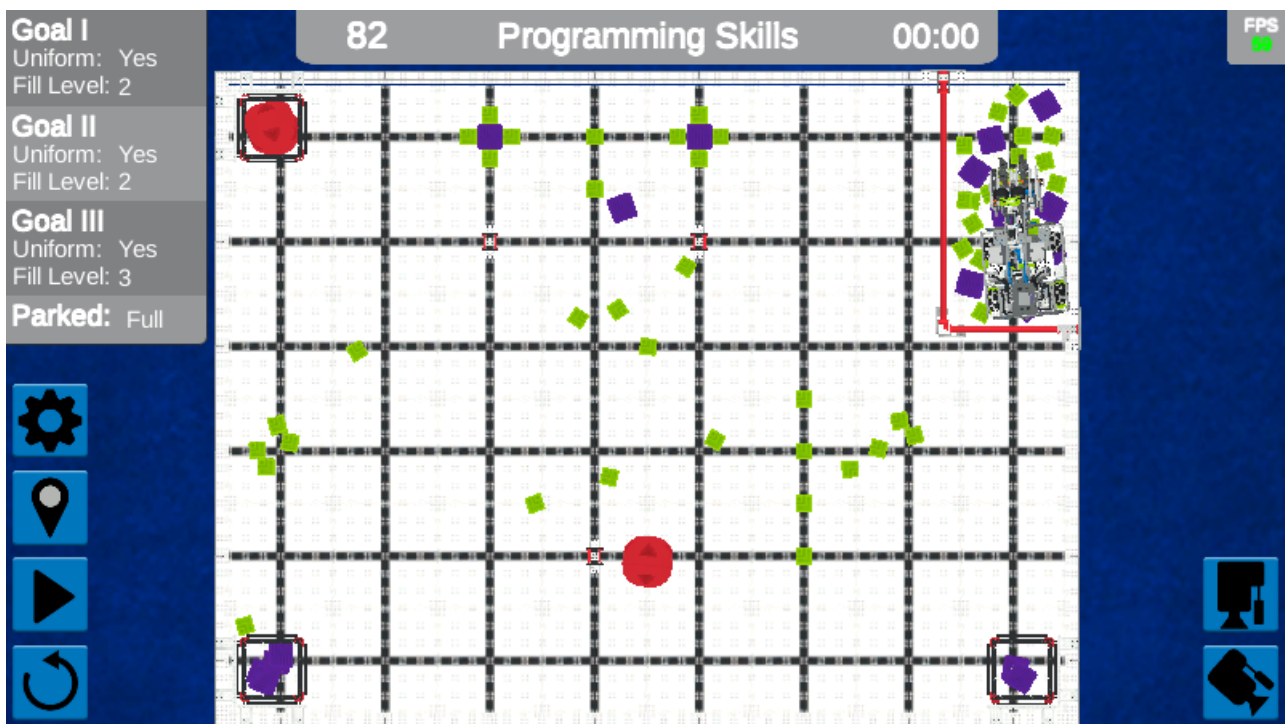
Assignment:

Notes:

Playground: VIQC Virtual Skills - Full Volume

Project Name: Vex IQ Code (2929X)

Project Type: Blocks

Date: Wed Jan 31 2024

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when started
set IntakeMotorGroup ▾ velocity to Infinity % ▾
set ArmMotorGroup ▾ velocity to Infinity % ▾
set drive velocity to Infinity %
set turn velocity to Infinity %
turn right ▾ for 47 degrees
drive forward ▾ for 21 inches ▾
if FrontOptical ▾ detects purple ▾ ? then
    spin IntakeMotorGroup ▾ intake ▾
turn left ▾ for 170 degrees
spin ArmMotorGroup ▾ to position 260 degrees ▾
drive forward ▾ for 21 inches ▾
if drive is done? then
    spin IntakeMotorGroup ▾ outtake ▾
wait 0.6 seconds
turn right ▾ for 100 degrees
spin IntakeMotorGroup ▾ intake ▾
drive forward ▾ for 15 inches ▾
spin ArmMotorGroup ▾ to position 0 degrees ▾
wait 0.5 seconds
spin ArmMotorGroup ▾ to position 260 degrees ▾
turn left ▾ for 145 degrees
drive forward ▾ for 5 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.6 seconds
turn right ▾ for 204 degrees
spin IntakeMotorGroup ▾ intake ▾
drive forward ▾ for 22 inches ▾
spin ArmMotorGroup ▾ to position 0 degrees ▾
spin ArmMotorGroup ▾ to position 260 degrees ▾
turn right ▾ for 170 degrees
drive forward ▾ for 21 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.6 seconds
turn left ▾ for 167 degrees
spin ArmMotorGroup ▾ to position 0 degrees ▾
spin IntakeMotorGroup ▾ intake ▾
drive forward ▾ for 20 inches ▾
turn left ▾ for 65 degrees
spin ArmMotorGroup ▾ to position 260 degrees ▾
drive forward ▾ for 15 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.5 seconds
drive reverse ▾ for 10 inches ▾
if IntakeMotorGroup ▾ is spinning? then
    turn right ▾ for 147 degrees
drive forward ▾ for 10 inches ▾
turn left ▾ for 20 degrees
spin IntakeMotorGroup ▾ intake ▾
drive forward ▾ for 15 inches ▾
spin ArmMotorGroup ▾ to position 0 degrees ▾
wait 0.3 seconds
spin ArmMotorGroup ▾ to position 260 degrees ▾
turn left ▾ for 190 degrees
drive forward ▾ for 15 inches ▾
turn right ▾ for 44 degrees
drive forward ▾ for 21 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.5 seconds
if IntakeMotorGroup ▾ is spinning? then
    turn right ▾ for 180 degrees
drive forward ▾ for 15 inches ▾
turn left ▾ for 70 degrees
drive forward ▾ for 6 inches ▾
spin IntakeMotorGroup ▾ intake ▾
spin ArmMotorGroup ▾ to position 0 degrees ▾
spin ArmMotorGroup ▾ to position 260 degrees ▾
turn right ▾ for 80 degrees
drive forward ▾ for 15 inches ▾
turn left ▾ for 40 degrees
drive forward ▾ for 6 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.3 seconds
turn left ▾ for 80 degrees
spin IntakeMotorGroup ▾ intake ▾
drive forward ▾ for 12 inches ▾
turn left ▾ for 20 degrees
spin ArmMotorGroup ▾ to position 0 degrees ▾
spin ArmMotorGroup ▾ to position 260 degrees ▾
turn left ▾ for 200 degrees
drive forward ▾ for 15 inches ▾
spin IntakeMotorGroup ▾ outtake ▾
wait 0.3 seconds
turn left ▾ for 130 degrees
spin ArmMotorGroup ▾ to position 0 degrees ▾
if IntakeMotorGroup ▾ is spinning? then
    drive forward ▾ for 40 inches ▾
```