

Student Name: 1574M

Assignment: Online Challenge

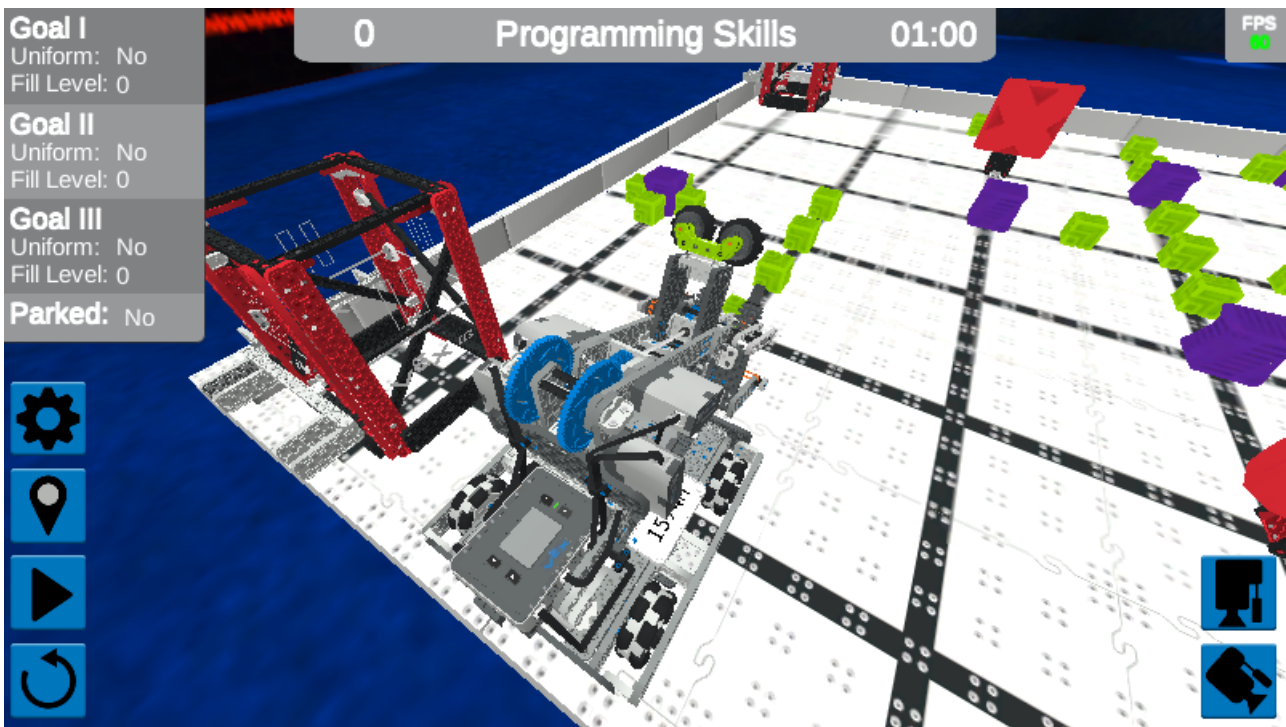
Notes:

Playground: VIQC Virtual Skills - Full Volume

Project Name: OBES 2023 Robotics VEX IQ program 1574M - 3

Project Type: Blocks

Date: Wed Jan 31 2024



```
Initialize drive velocity, arm velocity, and base velocity
set drive velocity to 100
set base velocity to 100
set leftMotorVelocity to velocity to 100 to 0
set rightMotorVelocity to velocity to 100 to 0
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Pick up the first block and puts it on goal 1
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
set 100
turn right for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Pick up the second block and puts it on goal 1
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
set 100
turn right for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Pick up the third block and puts it on goal 1
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
set 100
turn right for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Turn around and backs down the red block toward to goal 1
turn left for 90 degrees
turn left for 90 degrees
drive forward for 20 inches
turn right for 90 degrees
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Pick up the fourth block and puts it on goal 2
drive forward for 20 inches
turn left for 90 degrees
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
set 100
turn right for 90 degrees
turn left for 90 degrees
spin clockwise for 100
spin counter-clockwise for 100
drive forward for 20 inches
Pick up fifth block and puts it on goal 2
spin clockwise for 100
spin counter-clockwise for 100
drive forward for 20 inches
turn left for 90 degrees
turn left for 90 degrees
drive forward for 20 inches
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
set 100
turn right for 90 degrees
turn left for 90 degrees
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
Turn around from goal 1, turn the robot arm down, and the right block is picked up and drop
turn left for 90 degrees
turn left for 90 degrees
turn left for 90 degrees
drive forward for 20 inches
turn right for 90 degrees
spin clockwise for 180 degrees
spin counter-clockwise for 180 degrees
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 100
spin counter-clockwise for 100
drive forward for 20 inches
turn left for 90 degrees
spin clockwise for 100
spin counter-clockwise for 100
drive forward for 20 inches
spin clockwise for 100
spin counter-clockwise for 100
The end of the code.
```