VEX CODE VR

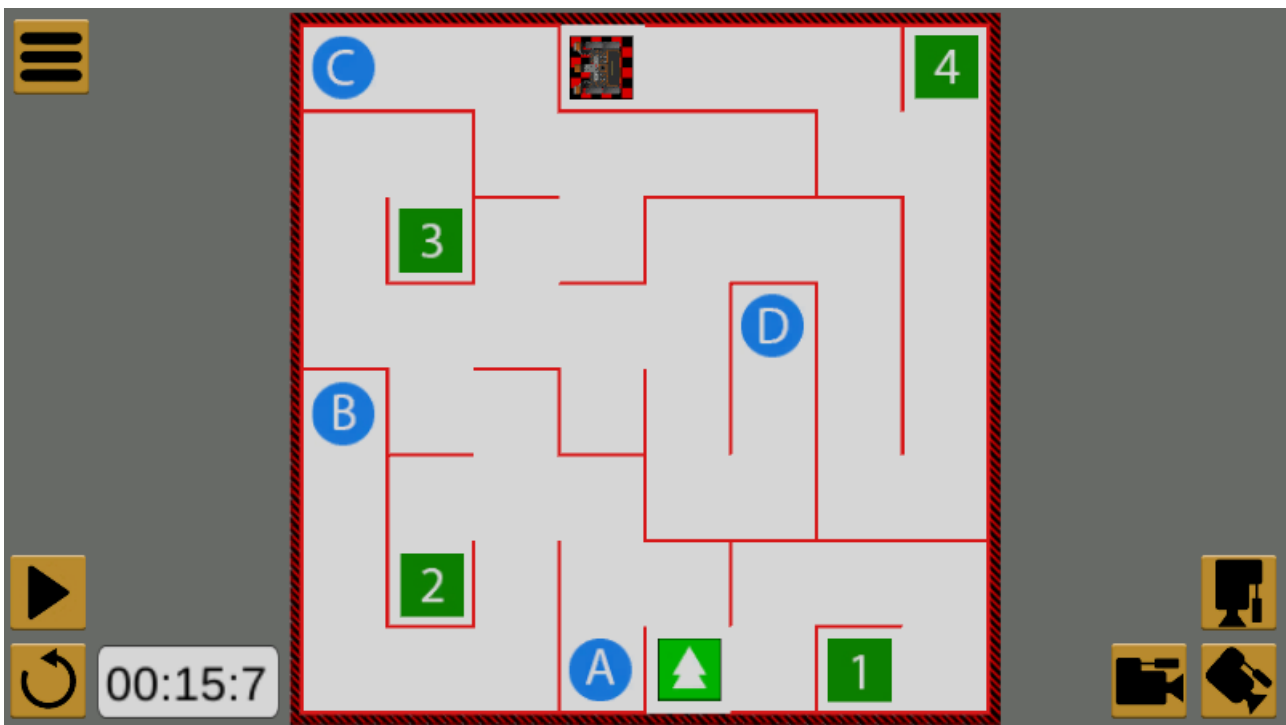Student Name: Kevin Alexander Bucio Martinez

Assignment: Robotics

Notes: Wall Maze
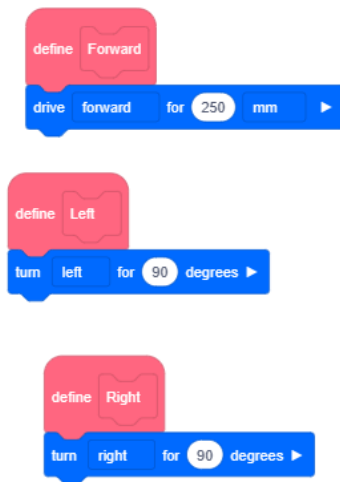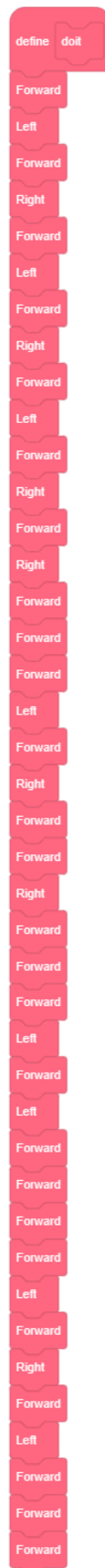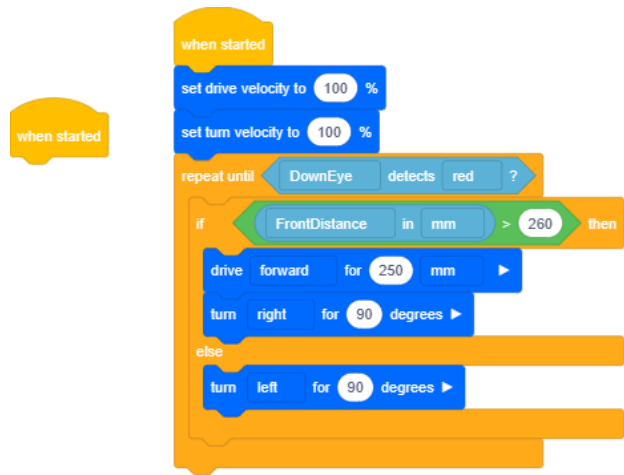
Playground: Wall Maze

Project Name: Kevin-Alexander_bucio_Martinez#6V3

Project Type: Blocks

Date: Fri Mar 10 2023

when started

```
when started
set drive velocity to (100) %
set turn velocity to (100) %
repeat until < DownEye detects red ? >
  if < ( FrontDistance in mm ) > (260) > then
    drive forward for (250) mm ▶
    turn right for (90) degrees ▶
  else
    turn left for (90) degrees ▶
```

when started

define doit

```
define doit
Forward
Left
Forward
Right
Forward
Left
Forward
Right
Forward
Left
Forward
Right
Forward
Right
Forward
Forward
Forward
Left
Forward
Right
Forward
Forward
Right
Forward
Forward
Forward
Left
Forward
Left
Forward
Forward
Forward
Left
Forward
Right
Forward
Left
Forward
Forward
Forward
```

```
define Forward
drive forward for (250) mm ▶
```

```
define Left
turn left for (90) degrees ▶
```

```
define Right
turn right for (90) degrees ▶
```

```
when started

set drive velocity to 100 %

set turn velocity to 100 %

repeat until < DownEye detects red ? >
    if < FrontDistance in mm > 260 > then
        drive forward for 250 mm ▶
        turn right for 90 degrees ▶
    else
        turn left for 90 degrees ▶
```
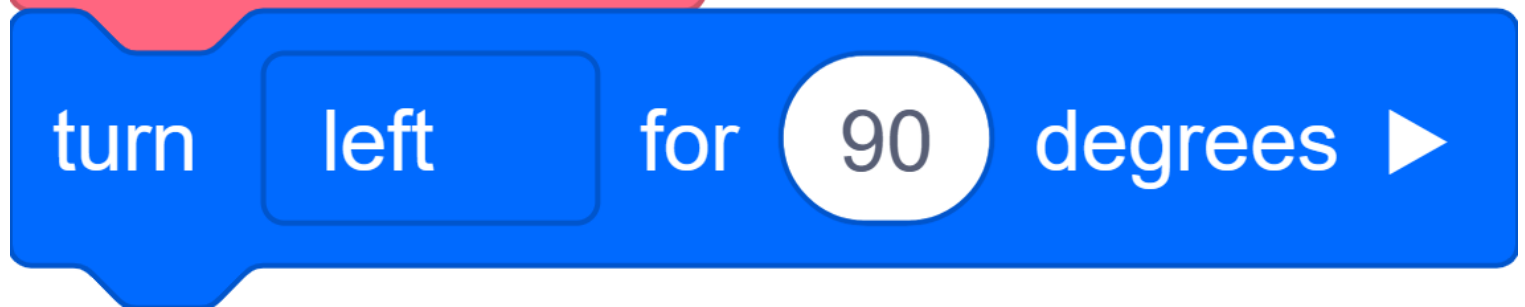
when started

define Forward

drive forward for 250 mm ▶

```
define doit
  Forward
  Left
  Forward
  Right
  Forward
  Left
  Forward
  Right
  Forward
  Left
  Forward
  Right
  Forward
  Right
  Forward
  Forward
  Forward
  Left
  Forward
  Right
  Forward
  Forward
  Right
  Forward
  Forward
  Forward
  Left
  Forward
  Left
  Forward
  Forward
  Forward
  Forward
  Left
  Forward
  Right
  Forward
  Left
  Forward
  Forward
  Forward
```
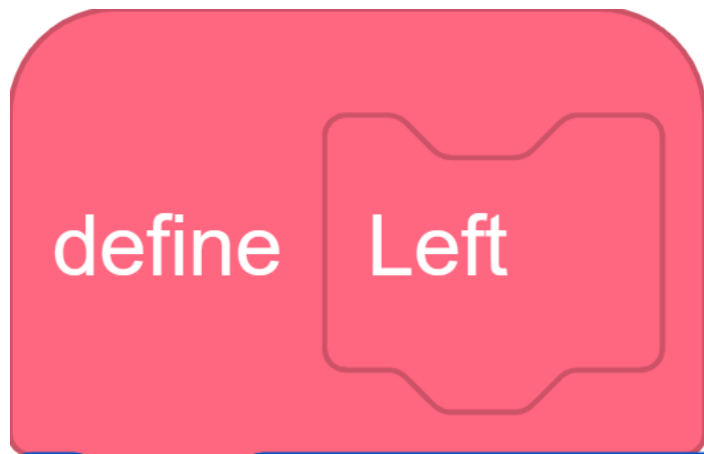
define Left

turn left for 90 degrees ▶

define Right

turn right for 90 degrees ▶