

## Lesson 3: Worksheet 3.3 – Right turn, then left turn

In this activity, you need to write a program so that your Edison robot will turn when the triangle button is pressed.

Write the following program:

```
1
2 #-----Setup-----
3
4 import Ed
5
6 Ed.EdisonVersion = Ed.V2
7
8 Ed.DistanceUnits = Ed.CM
9 Ed.Tempo = Ed.TEMPO_MEDIUM
10
11 #-----Your code below-----
12 degreesToTurn = 90
13 Ed.ReadKeypad()
14 while Ed.ReadKeypad() != Ed.KEYPAD_TRIANGLE:
15     pass
16 Ed.Drive(Ed.SPIN_RIGHT, Ed.SPEED_6, degreesToTurn)
17
```

Download your program and test it using activity sheet 3.1 or coloured tape to mark 'start' and 'end' angle marks on a desk or the floor as a test area for your program.

### Your turn:

Write a program to make the robot turn right exactly 90° when the triangle button is pressed once, then turn left exactly 270° when the triangle button is pressed a second time.

Remember to put `Ed.ReadKeypad()` into the line above each 'while' loop to clear any previous key presses before the loop.

1. What does your program look like? Write your code down below.