

Programming Challenge

Race to the Finish

Challenge Description

Use feedback from the Remote Control to race through a teacher designed course as quickly as possible. Use a stopwatch to record your time and compare it to your competition.

Sample Code

The sample program below assigns the value of the VEX Joysticks to the appropriate motors.

```
1 #pragma config(Motor, port2, rightMotor, tmotorNormal, openLoop, reversed)
2 #pragma config(Motor, port3, leftMotor, tmotorNormal, openLoop)
3 /**!!Code automatically generated by 'ROBOTC' configuration wizard !!*/
4
5 task main()
6 {
7     while(1 == 1) //while one equals one, which is forever
8     {
9         motor[leftMotor] = vexRT[Ch3]; //set the value of motor port 3 to the
10                                     //value of channel 3 on the remote control
11         motor[rightMotor] = vexRT[Ch2]; //set the value of motor port 2 to the
12                                     //value of channel 2 on the remote control
13     }
14 }
```