

File: C:\Users\M4rc05\Documents\Vex\Starstruck\2223-G\4-4-2017\Button toggle to change robot's direction\Button toggle to change robot's direction.

```
#pragma config(Sensor, dgtl1, , sensorQuadEncoder)
#pragma config(Sensor, dgtl3, , sensorQuadEncoder)
#pragma config(Motor, port1, LeftMotor, tmotorVex393 HBridge, openLoop, reversed, encoderPort, dgtl3)
#pragma config(Motor, port10, RightMotor, tmotorVex393_HBridge, openLoop, encoderPort, dgtl1)

#include "driverFunctions.h"

int buttonToggleState = 0, buttonPressed = 0;

task main(){
    while(true){
        if( vexRT[ Btn8R ] == 1 ){
            if(!buttonPressed){
                buttonToggleState = 1 - buttonToggleState; //if buttonPressed was previously 0 when Btn8R pressed then
                buttonPressed = 1; // change the toggle state
                // buttonPressed = 1 so the toggle state doesnt change again
            }
        }
        else buttonPressed = 0; // the button is not pressed so buttonPressed = 0

        if(buttonToggleState) oppositeBase();
        else normalBase();
    }
}
```

