```
File: C:\Users\owner\Documents\Robotics 2016-2017\codes\difftest.c

#pragma config(Sensor, port7,  distanceMM,      sensorNone)
#pragma config(Sensor, port8,  bumpSwitch,      sensorNone)
#pragma config(Motor,  motor1,           leftMotor,     tmotorVexIQ, openLoop, driveLeft, encoder)
#pragma config(Motor,  motor2,           ,              tmotorVexIQ, PIDControl, reversed, encoder)
#pragma config(Motor,  motor3,           ,              tmotorVexIQ, PIDControl, encoder)
#pragma config(Motor,  motor4,           ,              tmotorVexIQ, PIDControl, encoder)
#pragma config(Motor,  motor6,           rightMotor,    tmotorVexIQ, openLoop, reversed, driveRight, encoder)
#pragma config(Motor,  motor10,          armMotor,      tmotorNone, openLoop)
#pragma config(Motor,  motor11,          clawMotor,     tmotorNone, openLoop)
#pragma config(Motor,  motor12,          ,              tmotorVexIQ, PIDControl, encoder)
//*!!Code automatically generated by 'ROBOTC' configuration wizard            !!*//


task main()
{
  repeat (forever) {
    tankControl(ChD, ChA, 10);
    if (getJoystickValue(ChA) > 10) {
      if (getJoystickValue(ChD) > 10) {
        setMotor(motor2, 100);
      } else {
        stopMotor(motor2);
      }
    } else {
      if (getJoystickValue(ChA) < -10) {
        if (getJoystickValue(ChD) < -10) {
          setMotor(motor2, -100);
        }
      } else {
        stopMotor(motor2);
      }
    }
  }
}
```