```
/*
Brandon Choi
Stephanie Huang
codename lavender.c
Group 2
*/
task main()
{
  SensorType[S1] = sensorEV3_Touch;
  SensorType[S2] = sensorEV3_Ultrasonic;
  SensorType[S3] = sensorEV3_Color;
  SensorType[S4] = sensorEV3_Gyro;
  wait1Msec(50);
  SensorMode[S3] = modeEV3Color_Color;
  wait1Msec(50);
  SensorMode[S4] = modeEV3Gyro_Calibration;
  wait1Msec(50);
  SensorMode[S4] = modeEV3Gyro_RateAndAngle;
  wait1Msec(50);
  nMotorEncoder[motorA] = 0;

  wait1Msec(2000);


  displayString(2, "Group 2 BC SH");

  while(!getButtonPress(buttonAny))
  {}
  while(getButtonPress(buttonAny))
  {}
  motor(motorA) = motor(motorD) = 50;
  wait1Msec(2000);
  motor(motorA) = motor(motorD) = 0;
  wait1Msec(2000);
  motor(motorA) = motor(motorD) = -20;
  while(nMotorEncoder[motorA] > 0)
  {}
  motor(motorA) = motor(motorD) = 0;

  wait1Msec(2000);
  motor(motorA) = -20;
  motor(motorD) = 20;
  while(getGyroDegrees(S4) < 90)
  {}
  motor(motorA) = motor(motorD) = 0;

  while(SensorValue(S3) != (int)colorRed)
  {}


}
```