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#include "simpletools.h" // Include simple tools
#include "servo360.h"
#include "adcDCpropab.h"

int main() // Main function
{
float v2;
int left_deg = 0;
int right_deg = 0;
int n = 1;
high(26);
adc_init(21, 20, 19, 18);
servo360_connect(13, 15);
servo360_connect(12, 14);
servo360_speed(13, -720); //speed left
servo360_speed(12, 720); //speed right
low(26);
while(n > 0)
{

//driving

v2 = adc_volts(1);
pause(40);
if (v2 > 2){ // turn right (2V =ish 20cm)
servo360_speed(13, -720);
servo360_speed(12, 480);
}
else if (v2 < 2){ // turn left (2V =ish 20cm)
servo360_speed(13, -480);
servo360_speed(12, 720);
}
right_deg = servo360_getAngle(13); //saving the angle to right_deg
left_deg = servo360_getAngle(12); //saving the angle to left_deg
//end of driving
//logging

sd_mount(22, 23, 24, 25);
FILE* fp = fopen("frog.txt", "a");
// Open a file for writing
fprintf(fp, "%d", right_deg); // Add contents to the file
fwrite(" ", 1, 1, fp); //add spacing
pause(5);
fprintf(fp, "%d", left_deg); // Add contents to the file
fwrite("\n", 1, 1, fp); //change row
pause(5);
fclose(fp);
pause(5); // Close the file (end of logging)
}
}

```