Conditionals

LAB #05 SECTION #06

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Problem

Developing a program that can detect where and how the ps4 controller is moving. Using the flags, we must output, up, down, left, right, front and back. Also, we must include a delay for when the controller is moving outside of out parameters.

Analysis

Since the inputs are given, we must develop tolerances and flags for the inputs to output the right conditions, only three functions will be needed along with 6 if statements as seen in figure 1.

Design

Moving the controller around and watching the outputs will give me my tolerances.

Testing

Repeatedly moving the controller is how I will test my tolerances.

Comments

This lab was worded very poorly and was hard to understand what was being asked of me. Once explained I had no problem figuring out what to do.

Screen Shots

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kenns0LAPTOP-L533NR5E /cygdrive/c/Users/kenns/OneDrive/Desktop
$ acc test.c - o test
test.c: In function 'main':
test.c:15183; error: expected expression before '!=' token
43 | if (close_to (.25, 1, gy) == 1 && checkMovement (ax, ay, az, 0.25, 1) != 0 && != 1){
  est.:47:92: error: expected expression before '!=' token
47 | else if (close_to (.25, 1, gy) == 1 && checkMovement (ax, ay, az, 0.25, 1) != 0 && != 2){
 est.c:51:92: error: expected expression before '!=' token

51 | else if (close_to (.25, 1, gy) == 1 && checkMovement (ax, ay, az, 0.25, 1) != 0 && != 3){
 est.:55:92: error: expected expression before '!=' token

55 | else if (close_to (.25, 1, gy) == 1 && checkMovement (ax, ay, az, 0.25, 1) != 0 && != 4){
 ^\(
est.c:59:92: error: expected expression before '!=' token
59 | else if (close_to (.25, 1, gy) == 1 && checkMovement (ax, ay, az, 0.25, 1) != 0 && != 5){
  est.ci63:91: error: expected expression before '!=' token
63 | else if (close_to (.25, 1, gy) == 1 && checkMovement (ax,ay,az, 0.25, 1) != 0 && != 6){
 est.c: In function 'main':
st.c:89:1: error: expected declaration or statement at end of input
89 | }
| ^
 emnsULAPTOP-L531NR5E /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c - o test
est.c: In function 'checkMovement':
est.c: 184:9: warning: implicit declaration of function 'id' [-Wimplicit-function-declaration]
84 | id (value > mag(a, b, c) - tolerance && value < mag(a, b, c) + tolerance) {
est.c:84:81: error: expected '; 'before '[' token
84 | id (value > mag(a, b, c) - tolerance && value < mag(a, b, c) + tolerance) {
 est.c: In function 'main':
est.c:89:1: error: expected declaration or statement at end of input
89 | )
 emnsBLAPTOP-L333N85E /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c -o test
est.c: In function 'main':
est.c:89:1: error: expected declaration or statement at end of input
89 | 1
 enns@LAPTOP-L533NRSE /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c - o test
est.c: In function 'checkMovement':
est.c:88199 error: expected declaration or statement at end of input
88 | )
 88 | ...
est.c: In function 'main':
est.c: In function 'main':
est.c:88:9; error: expected declaration or statement at end of input
cest.c: In function 'main':
cest.c:88:9: error: expected declaration or statement at end of input
enns@LAPTOP-L53JN85E /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c - o test
cest.c: In function 'main':
est.c:89:1: error: expected declaration or statement at end of input
88 | }
| A
 ennsQLAPTOP-153]NRSE /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c -o test
est.c:s In function 'checkMovement':
est.c:92:1: error: expected expression before '3' token
 mensdLAPTOP-1.537NRSE /cygdrive/c/Users/kenns/OneDrive/Desktop
gcc test.c -o test
est.c: In function 'checkMovement':
est.c:93:1: error: expected expression before '}' token
```