PICO BOT

Lab # 1

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***“On my honor, as a Mississippi State University student, I have neither given nor received unauthorized assistance on this academic work.”***

CSE1284 Introduction to Computer Programming Class Section # 1

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Problem: Get the pico bot to cover all the tiles in a square space.

Solution:

Go North

When at north wall go east

When at north wall go south

Repeat untill

When at south east wall go south

When at south wall only go north

When at southwest wall go east

When at northwest wall go south

When at North wall Go west Till wall

Testing plan: program should move north regardless of starting position and after hitting the wall go west, then after hitting the wall again go south and create columns by one’s going south east once, then north, east once, then south, over and over again until the end of the square wall. When at the final southeast wall new code programs it to go down, completing the Square.

Analysis and conclusion: Lab was difficult at first due to no prior knowledge, when it finally clicked it became easier, I began to write multiple line of code to go through each column until I figured out I could just loop it back again on itself about half way through, cut down on code side and created a loop. Lab was a good lesson and made me feel stupid that I didn’t understand it from before. Going over in class about coding of some sort would have been nice before doing the lab. I feel as if the lab is ahead of the actual class level.