Task 1.1 - Line Following Robot

Assignment Questions

Question 1

Using the functions - `forward()`, `_delay_ms()`, `left()`, `right()` and `stop()` provided to you in the project *NS_Task_1_Project* folder, write a program to make the robot move in a square shape of any size in the V-REP scene *assignment_scene.ttt*. Before you begin, familiarize yourself with the basic components required to build a robot and predefined functions.

Write your code in the function square() in the file NS_Task_1_Sandbox. Call square in the main function in the file NS_Task1.

Question 2

In this assignment you must implement a *line-following algorithm* to follow the path given in the file *assignment_scene.ttt*. Write your code in the function line_follow() in the file NS_Task_1_Sandbox. Call this function in the main function in file NS_Task1.

Make use of the documents, "Predef.pdf" and "Modules for Robot.pdf" to know more about predefined functions and line-following sensors respectively.

NOTE: These questions are practice questions for you. You must follow the coding standards as instructed in Coding Standard.pdf