Mod 2 Assignment

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Author Note

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Mod 2 Assignment

//Nested If statements for an automated car to turn

#include <iostream>

#include <string>

using namespace std;

int main(){

char lightColor = 'n';

char oncomingTraffic = 'y';

char turnSignal = 'n';

char condition = 'n';

//While loop to keep the loop going if conditions arent met

while (condition == 'n')

{

cout << "Is the light color green? "; //Check to see if light is green

cin >> lightColor;

if (lightColor == 'y'){ //if light is green, do this

cout << "Light is green" << endl;

cout << "Is there any oncoming traffic? "; //check to see if

//there is traffic

cin >> oncomingTraffic;

if (oncomingTraffic == 'n'){ //if there is no traffic, do this

cout << "There is no traffic." << endl;

cout << "Is the turn signal on? "; //check the turn signal

cin >> turnSignal;

if (turnSignal == 'y'){ //if the turn signal is on, do this

cout << "The turn signal is on." << endl;

cout << "The car goes.";

condition = 'y';

//else statements restart the loop if conditions arent right to go

} else {

cout << "Turn the turn signal on." << endl;

}

} else {

cout << "Wait for the traffic to pass." << endl;

}

} else {

cout << "Wait for the light to turn to green." << endl;

}

}

}