We were using a switch statement to turn the direction of the current direction either left or right. This code smell exists, because we thought it was easier to implement using switch statements since there are only four cases of direction.

In order to fix the code smell, I decided to utilize the Hashmap data structure which returns the value associated with the key. I initialized a hashmap called leftmap which maps the left direction of each direction. I also initialized a hashmap called rightmap which maps the right direction of each direction.