TEAM EVA

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**Challenge: Play tag with another robot**

- Stay inside the virtual wall boundary.
- Bump the other robot using the front bumper.
- Keep track of the number of bumps.
- Have the robot keep its score after each bump.
- Experiment with different strategies of play.
Plan of Attack

1. Initialize
2. Play Theme Song
3. Move Forward
   - Detects Virtual Wall
   - Turn at a random angle and then move away
4. Bump
   - Back up .05 meters then re-attack
   - Keep track of number of hits and beep accordingly
5. Get Bumped from side
   - Turn 60 degrees towards attack
   - Attack
The Glitches

No reaction to virtual wall

Caught in virtual wall corner
The Battle
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