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| **AP CSP Python with Robots**  **Mission 3 Obj 7-9 Assignment** | | | **Name:** | | |
| **Mission 3 Introduction** | | | | | |
| Re-read the introduction and project goals. During this assignment, you will complete goals 4 and 5. | | | | | |
| **Mission 3 Objectives 7-9** | | | | | |
| Complete the Quiz. How did you do? Are there topics or concepts you need to review? | |  | | | |
| Complete Objective 7.  What is the code to start and stop the motors?  Click on Import to add it to your toolbox. What is a *wildcard*? | |  | | | |
| Try several different wheel power settings and sleep delays. Record the distance traveled for each setting. | | | | | |
| **Wheel power setting** | | **Sleep delay** | | **Distance traveled** | |
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| Complete Objective 8. Click on Comments to add it to your toolbox. | |  | | | |
| Try several different wheel power settings and sleep delays. Record the rotation (right-clockwise, or left-counter clockwise). Give an approximate turn angle in degrees. What settings are needed for 90 degrees clockwise? | | | | | |
| **Left Wheel power** | **Right Wheel power** | | **Sleep delay** | | **Rotation and angle** |
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| After Objective 8, submit your ***MoveOut*** program to the teacher. | | | | | |
| Complete Objective 9.  What is an algorithm?  Follow the algorithm in the instructions to move your ‘bot in a square. The size of the square (delay when moving forward) is up to you. | |  | | | |
| After Objective 9, submit your ***NavSquare*** program to the teacher. | | | | | |