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IMPLEMENTATION OF BLOCKS WORLD PROGRAM

```
*python.py - C:/Users/admin/Downloads/python.py (3.10.8)*
File Edit Format Run Options Window Help
class BlocksWorld:
   def __init__(self):
        self.state = {
            "A": "B",
            "B": "table",
            "C": "table"
        self.goal = {
            "A": "B",
            "B": "C",
            "C": "table"
    def is_goal_state(self):
       return self.state == self.goal
    def move(self, block, destination):
       if block in self.state and self.state[block] != destination:
            print(f"Moving {block} from {self.state[block]} to {destination}")
            self.state[block] = destination
    def plan_moves(self):
        print("\nInitial State:", self.state)
        while not self.is_goal_state():
            for block, target in self.goal.items():
                if self.state[block] != target:
                    self.move(block, target)
        print("\nFinal Goal State Reached:", self.state)
bw = BlocksWorld()
bw.plan_moves()
```