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Exp 9 : IMPLEMENTATION OF BLOCKS WORLD PROBLEM

Program:

```python
class BlocksWorld:
    def __init__(self):
        self.state = {"A": "B", "B": "table", "C": "table"}
        self.goal = {"B": "C", "A": "B", "C": "table"}

    def move_block(self, block, destination):
        print(f"Moving {block} to {destination}")
        self.state[block] = destination

    def execute(self):
        while self.state != self.goal:
            for block, destination in self.goal.items():
                if self.state[block] != destination:
                    self.move_block(block, destination)

        print("\nFinal arrangement:", self.state)

# Run the Blocks World simulation
world = BlocksWorld()
world.execute()
```

Output:

```
Moving B to C

Final arrangement: {'A': 'B', 'B': 'C', 'C': 'table'}


** Process exited - Return Code: 0 **
Press Enter to exit terminal
S.SANJAY - 241801246
```