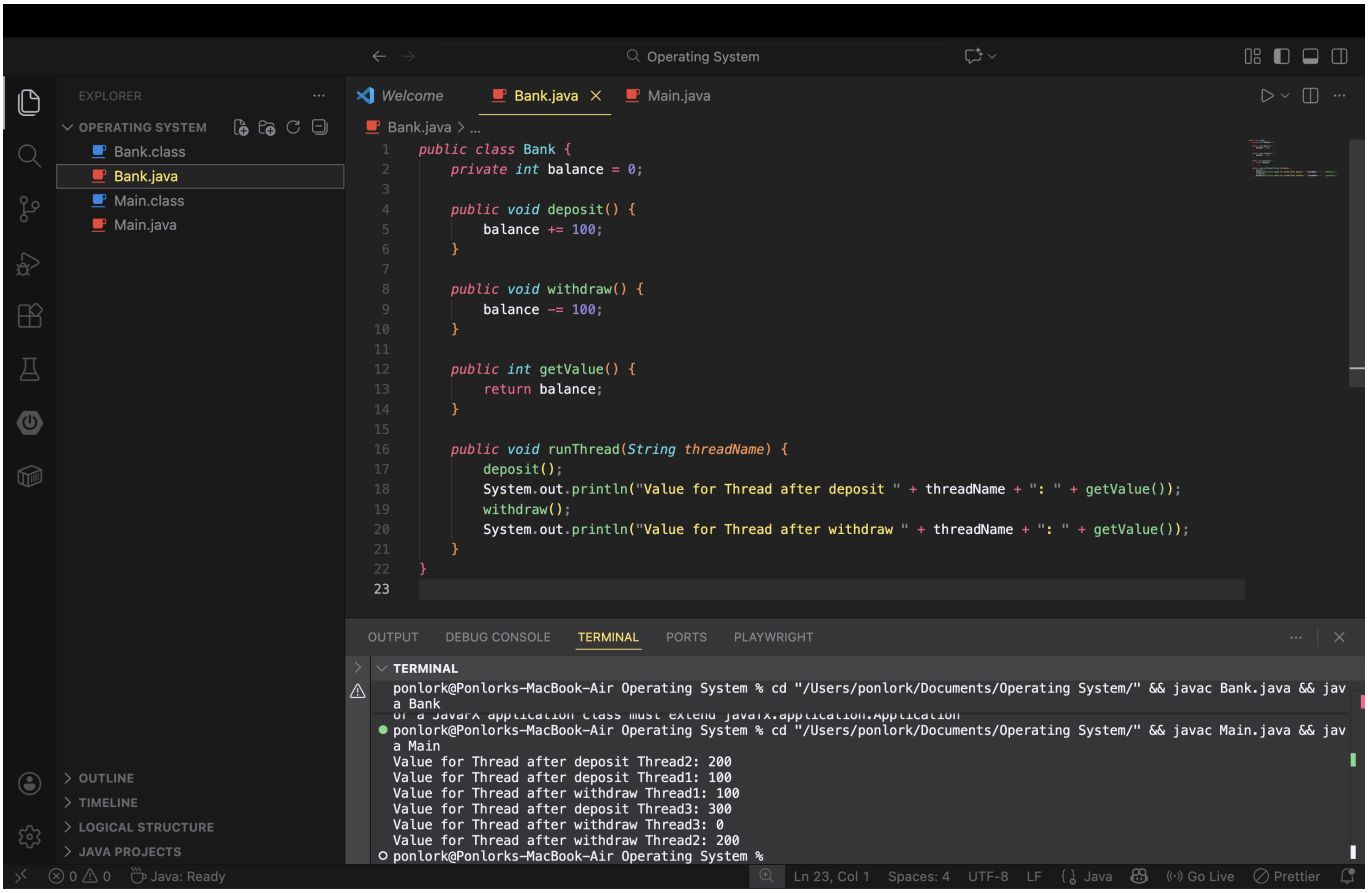
Here is the output **before implementing lock**:



Here is the output **before implementing lock**: