Homework Question1:

Homework Question2:

Visitor Pattern is used

Votes of each voter should be private—Observer pattern cannot be used

Each voter can only vote for one candidate—Decorator pattern cannot be used

VoteVisitor in visitor pattern visits each voter sequentially, this fulfils the criteria for each voter voting one after and another. VoteVisitor visits each voter only once, allowing the voters to vote only once. Voting for only one person is handled in VoteVisitor.

Output:

