Grammar Exercises

- a) Left factor this grammar.
- b) Does left factoring make the grammar suitable for top-down parsing?
- c) In addition to left factoring, eliminate left recursion from the original grammar.
- d) Is the resulting grammar suitable for top-down parsing?
 - 1.-Left no common factor
 - 2.-The grammar is not suitable, need to eliminate left recursion

3.-

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rexpr -> rterm A A -> + rterm A \mid \epsilon rterm -> rfactor B B -> rfactor B \mid \epsilon rfactor -> rprimary C C -> * C \mid \epsilon rprimary -> a \mid b
```

4.-Yes