Assignment 6, due 3/5/2020 in class

Consider the following context-free grammar:

$$
\begin{aligned}
S &\rightarrow JC \mid K \\
J &\rightarrow aJb \mid \varepsilon \\
C &\rightarrow cC \mid \varepsilon \\
K &\rightarrow aKc \mid B \\
B &\rightarrow bB \mid \varepsilon
\end{aligned}
$$

The strings that can be derived from B are b^*.
The strings that can be derived from J are $\{a^n b^n \mid n \geq 0\}$.

1. What are the strings generated from C?

2. What are the strings generated from K?

3. What are the strings generated from the start symbol S?

4. Build a PDA for the context-free grammar.

5. Simulate your pushdown automaton for the first 6 transitions of an accepting computation of *aabbcc*. You need to include for each step, the current state, the input left to read and the contents of the stack.