

**Answer on Question#38643 – Math - Other**

We have the language  $L = \{a^i b^j c^k \mid i = j \text{ or } j = k\}$ . For example, the strings  $aabbc$ ,  $abc$ ,  $aaa$  are in  $L$ , while  $bcc$ ,  $abbc$ ,  $cab$  are not in  $L$ . We can see that the context-free grammar generates the language. A language is said to be context-free if there is a context-free grammar describing it. So the correct answer is **B**.