## CS-302 Theory of Computation Assignment 10

		Name:
1.	Со	nsider the grammar
		$S \rightarrow aS \mid aSbS \mid \lambda$
	a)	Give a derivation for the string $aaabaab$ .
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	b)	Describe the language of the grammar.
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2.	Со	nsider the grammar
		$S \to AB$ $A \to aAa \mid \lambda$ $B \to bBb \mid \lambda$
	c)	Give a derivation for the string $aaaabbbbbb$ .
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	d)	Describe the language of the grammar.