1. Design a context-free gramma	ır (CFG) for the below language:
	$\mid i \neq j \}$ $\begin{matrix} $
SPLIG	Ex: aaabb S→G
L + aLb/bB	G+aGb aGb+aaGbb -+aaabb
G+ aGb aA	
At aA A	
B+68/ X	
2. Design a context-free grammar (CFG) for the below language:	
	$a^nb^na^*$
	S+aLbT
	L+alb1)
	$T + aT \lambda$
3. Simplify the below grammar:	$S ightarrow aS \mid A \mid C$
	$egin{array}{c} A ightarrow a \ B ightarrow a a \end{array}$
	C ightarrow aCb
S+aS A C	
C + aCb	

