**TOC lab Assignment-4**

**1. Write a program that displays a number (n < 40) of valid, context-free grammar strings using the following context-free grammar: (hint: for n=5 output is 101).**

**S -> AA|0**

**A -> SS|1**

**Note-**

**1. Show transitions from one state to another as output.**

**2. Students must use pre-defined transition rules in the programs instead of any library function**