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| **https://lh7-us.googleusercontent.com/cqr1zywKLZ-KYtGHQsJs_4r0Pz65g7Hm9cYAB_QVFrqm6JK4FqjMzqYGew6RHuFzmfT56Wdn2C69ISfHmuDwuy_tnadpQXO2ujqRH_tBzkPaOHrK6awj4voQaDIwnQBQeNfh8u1bi15aREV24NpZmw** | **Compiler Construction**  **BSCS 5-A**  **Department of Computer Science**  **Bahria University, Lahore Campus** |

**Assignment: [1]**

Date: Week 4, March 2024

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Roll No:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Evaluation of CLO** | **Question Number** | **Marks** | **Obtained Marks** |
| **CLO1:  Understand the basic techniques used in compiler construction.** | 1 | 5 |  |
|  |  |  |
| **Total Marks** | | **5** |  |

**Q1: Consider set of instruction involved in computation of Fibonacci sequence.**

1. **Design and Analyze the DFA for Fibonacci Series that generates the first five numbers of the Fibonacci series**
2. **Describe each state and the transitions between states.**
3. **Draw state transition table and a conceptual diagram of the DFA.**

**Avoid plagiarism.**

**The assignment is supposed to be written individually, similarity in assignment will lead to 50% deduction in obtained marks.**