Lab # 03



Fall 2024

**CSE-310L Control Systems Lab**

Submitted by: MUHAMMAD SADEEQ

Registration No.: 21PWCSE2028

Section: C

“On my honor, as a student of the University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work”

Submitted to:

Dr. Muniba Ashfaq

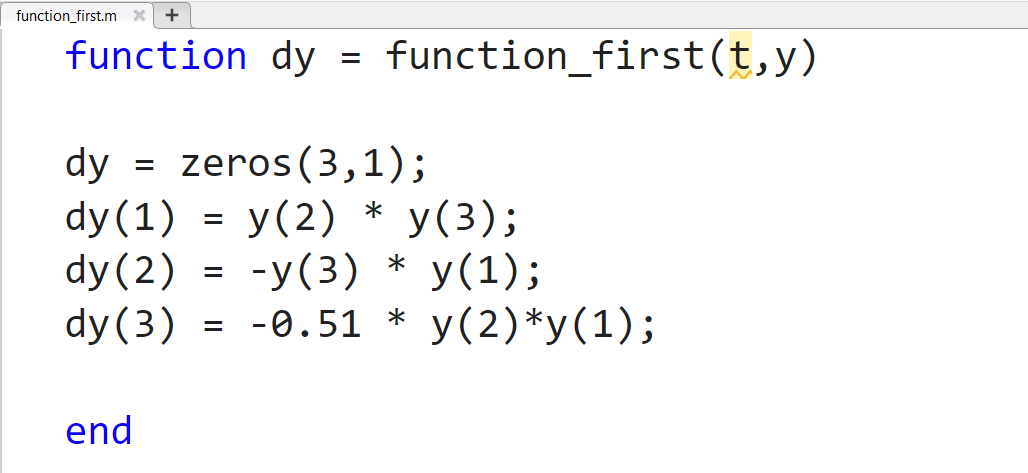
(19 Oct 2024)

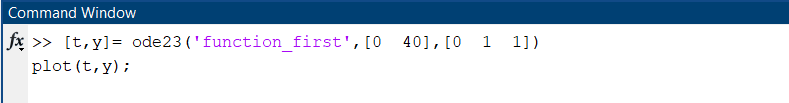
Department of Computer systems engineering

University of Engineering and Technology, Peshawar

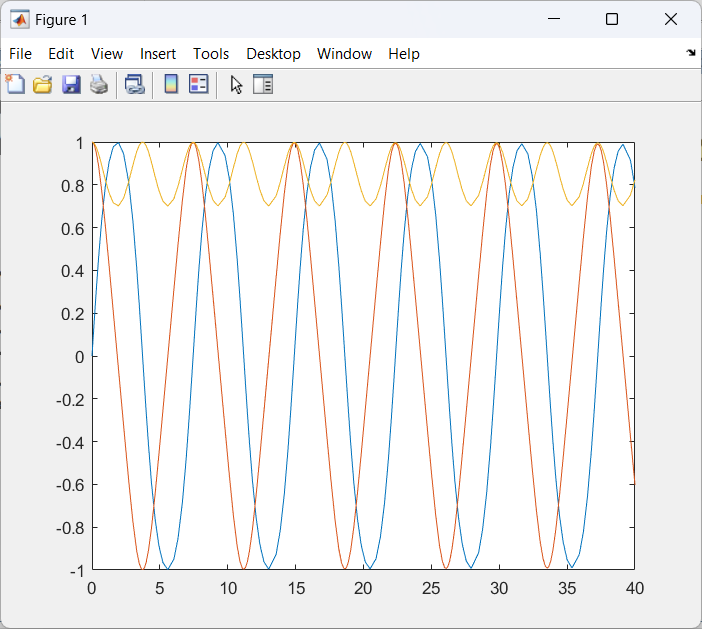
**Simulation of Differential Equations using MATLAB**

**Task 1**

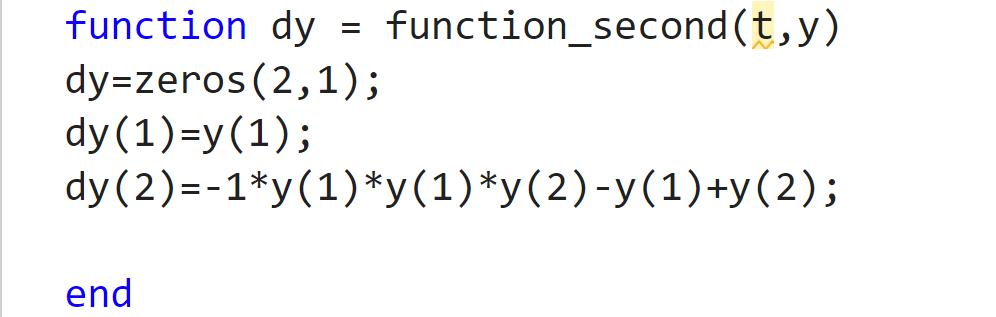


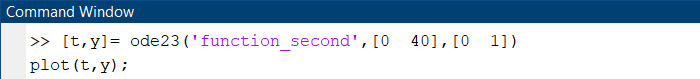


**Output:**

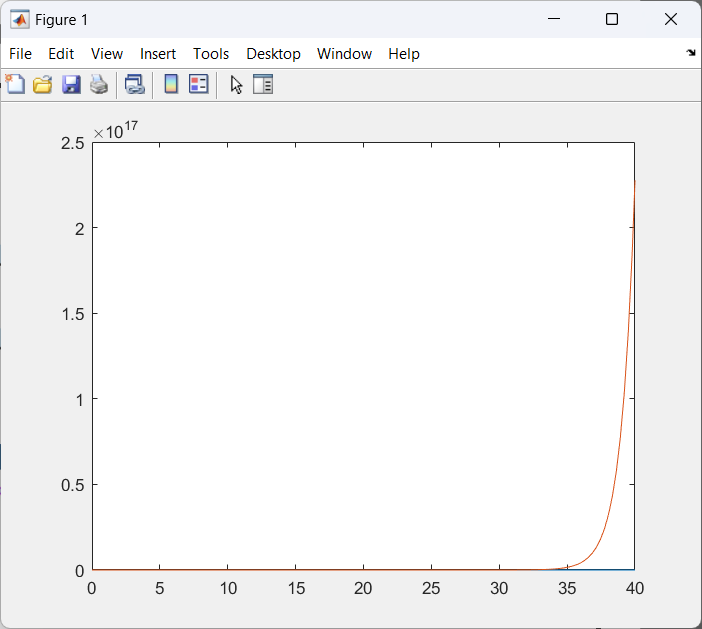
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**Task 2**

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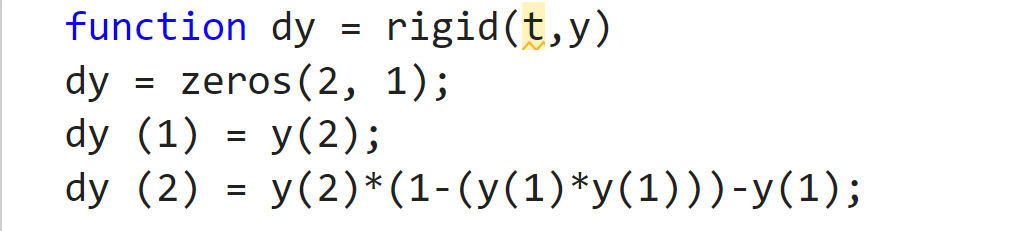
**Output:**

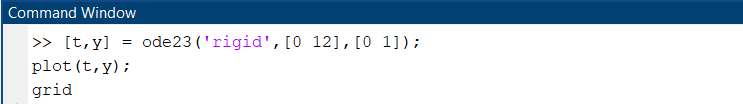
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**Simulation of Differential Equations using Simulink**

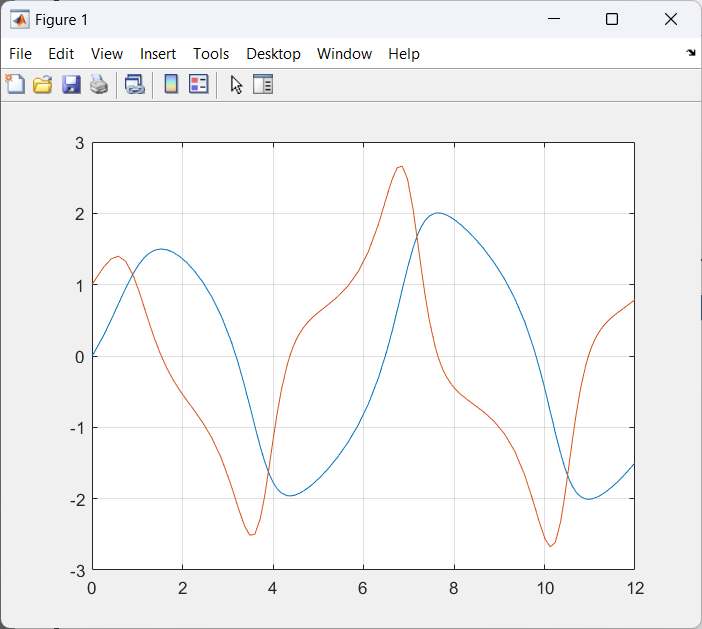
**Task 1**

**In MATLAB:**

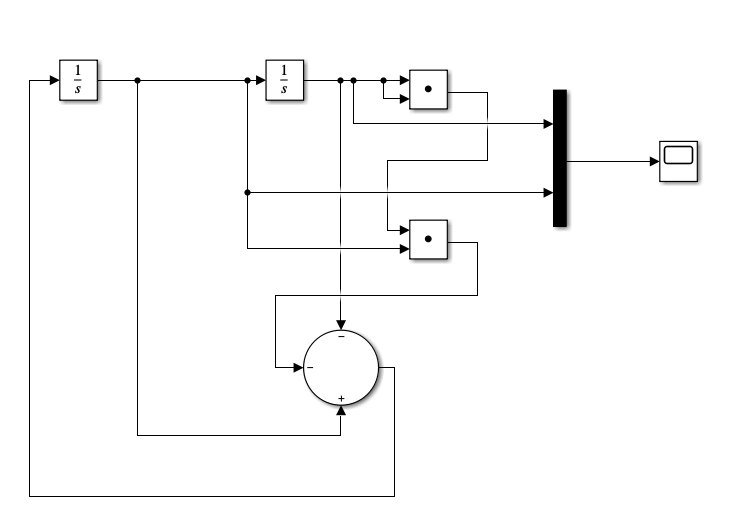
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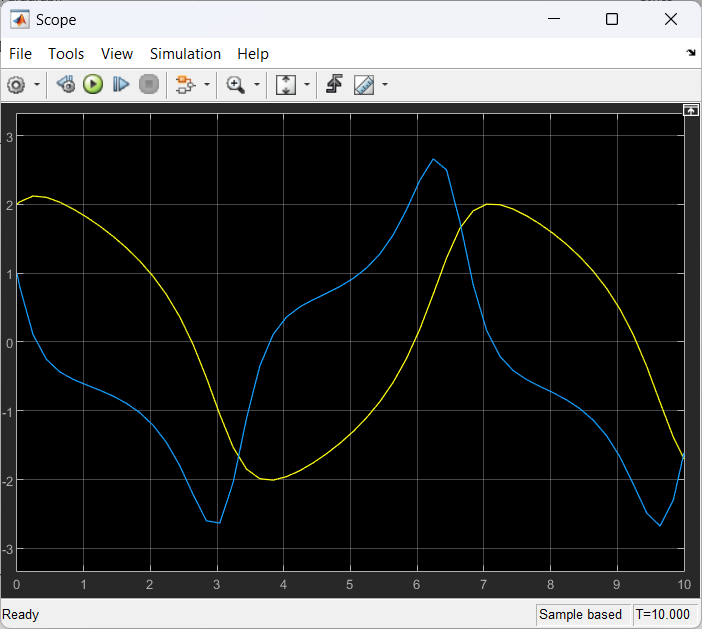
**Output:**

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**In Simulink:**

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**Output:**

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