Report for Coding Assignment-6
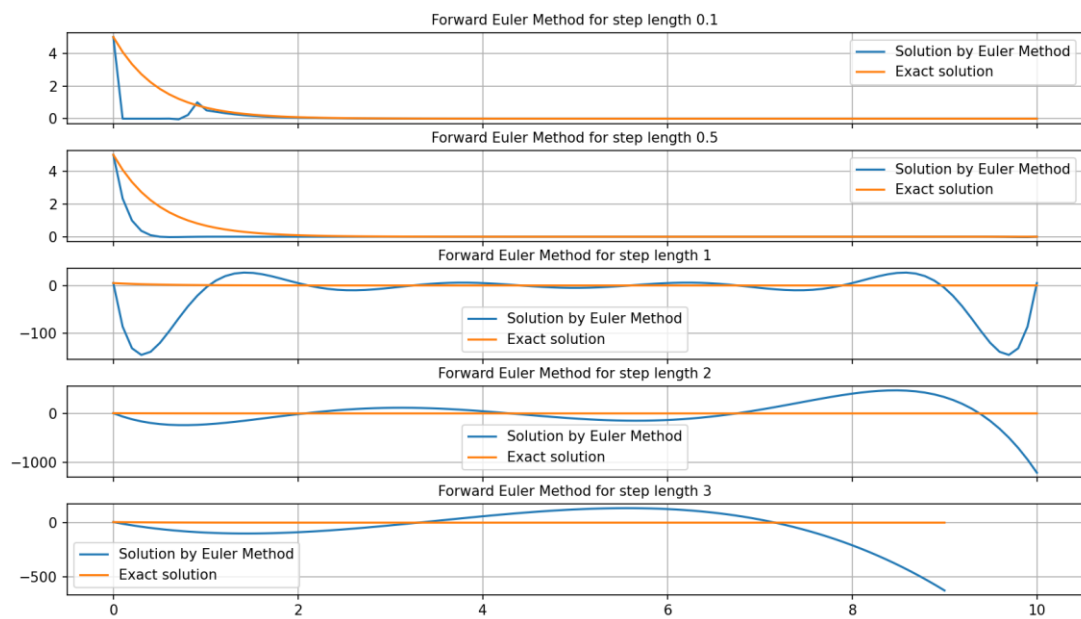
Computational Methods & Applications
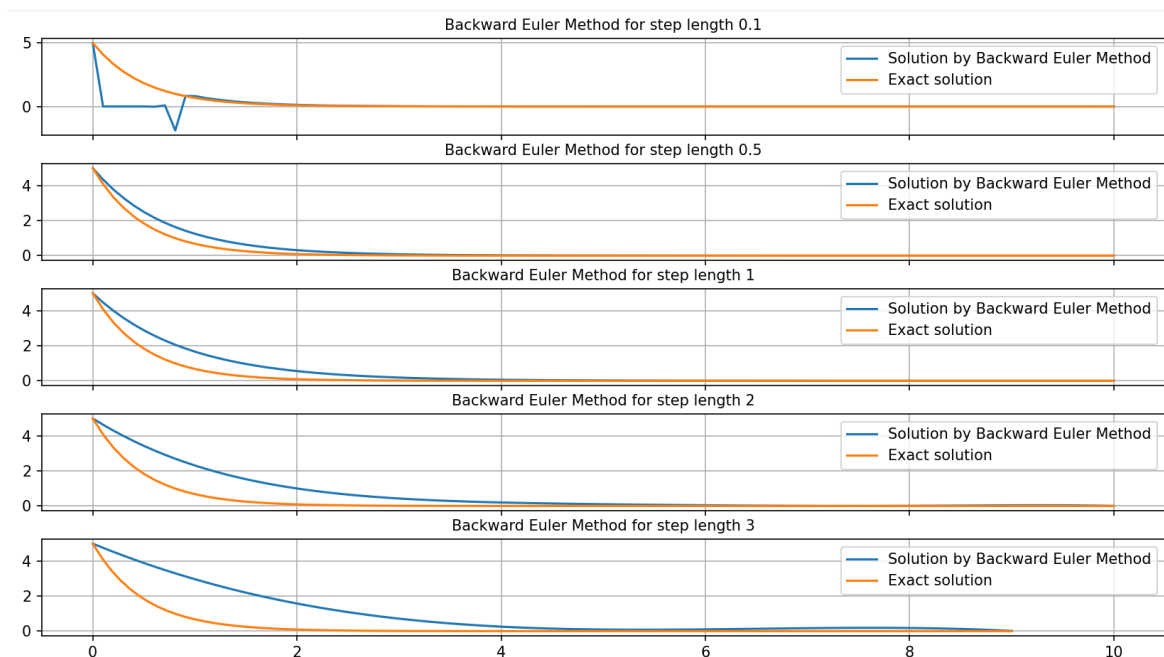
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Q.1) Output:

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Q.2) Output:

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Q.3)Output:

I have understood the theory of simple gravity pendulum and mathematical derivations from following below site:

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(To see the animation of gravity pendulum run the code**)**

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Q.4)Output:

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The time period of the limit cycle for mu = 2 is 7.615230460921844
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Van der Pol equation for mu = 2

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