Project name :

Implementation of Lagrange coefficeinces using python project

Description:

1- the program will print the final velocity and position of the satellite according to r0 and v0.
2- calculate the velocity and position of the satellite at any time.
3- simulate the motion the satellite. By adding (GUI) to visualize the motion of it .

Requirements & installations :-

Python3 IDLE

Tools:

(numpy)
(matplotlib.pyplot) (tkinter)

	Part1	Part2	
Day 1	**Installations needed**	**Installations needed**	**PYTHON3 (numpy) (matplotlib.pyplot) (tkinter)**
Day2	**Equations for "print the final velocity and position of the satellite according to r0 and v0.(lagrange coefficience)"**	**Equations for "calculate the velocity and position of the satellite at any time."**	**Perform a code on equations . Code run without errors and give the output .**
Day3	simulate the motion the satellite. By adding (GUI) to visualize the motion of it **.**	simulate the motion of the satellite. By adding (GUI) to visualize the motion of it .	**create a GUI window with a canvas. The canvas will show the motion of the satellite**
Day4	*Final report*	Final report	