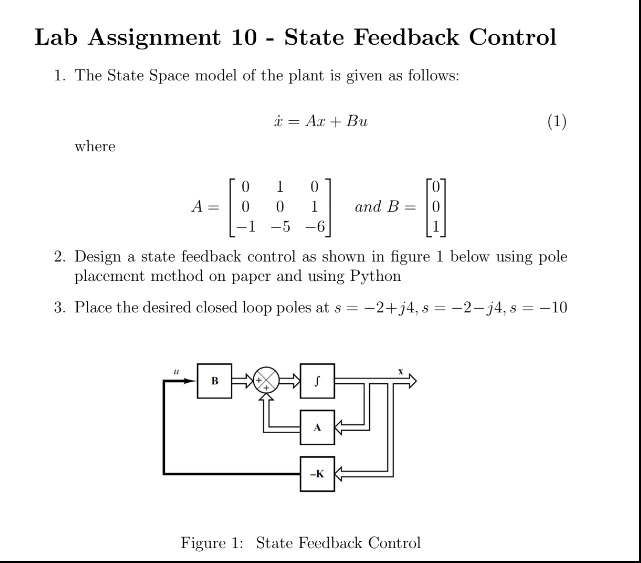
Name :- Aishwarya R. Satpute

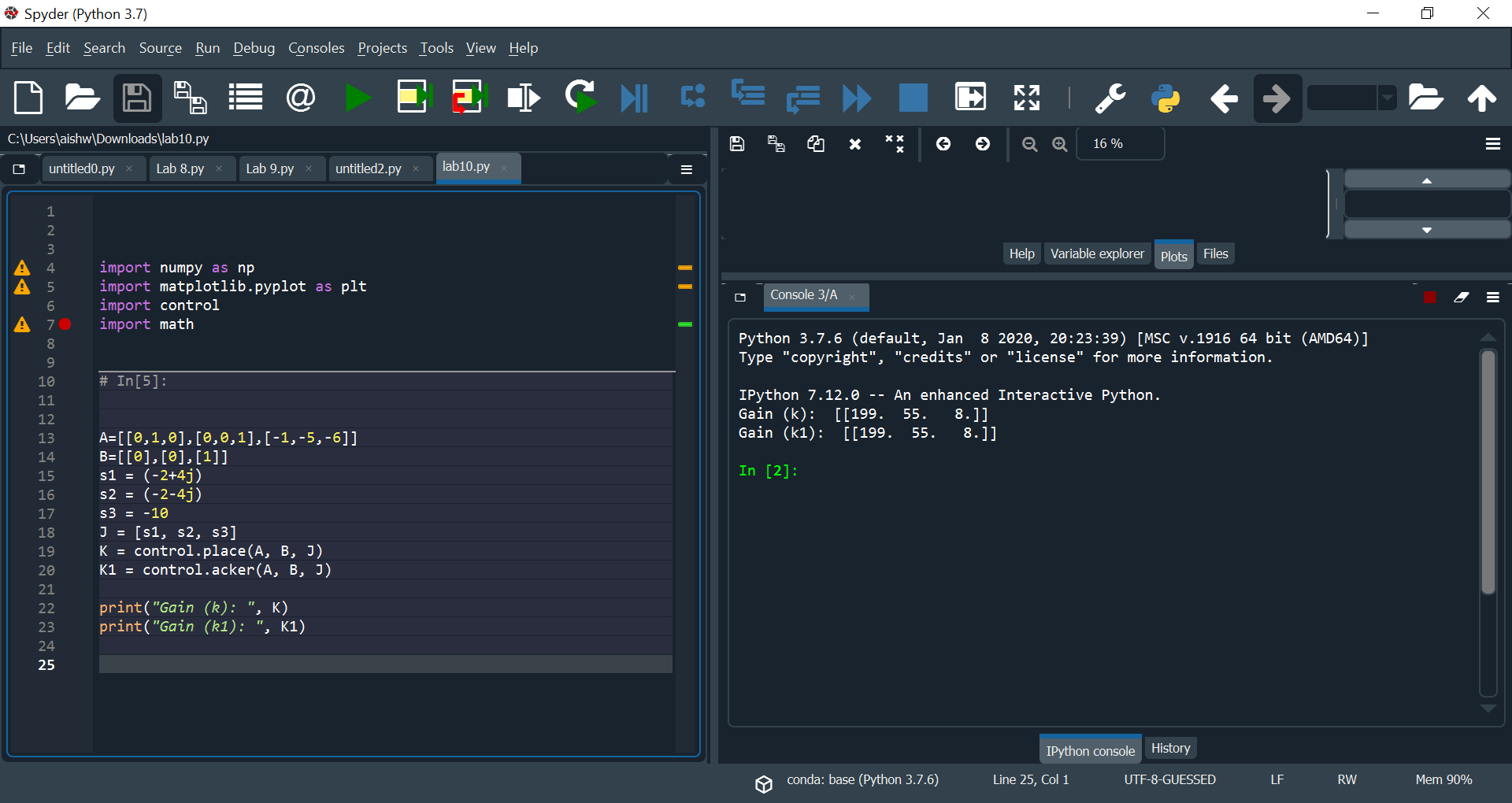
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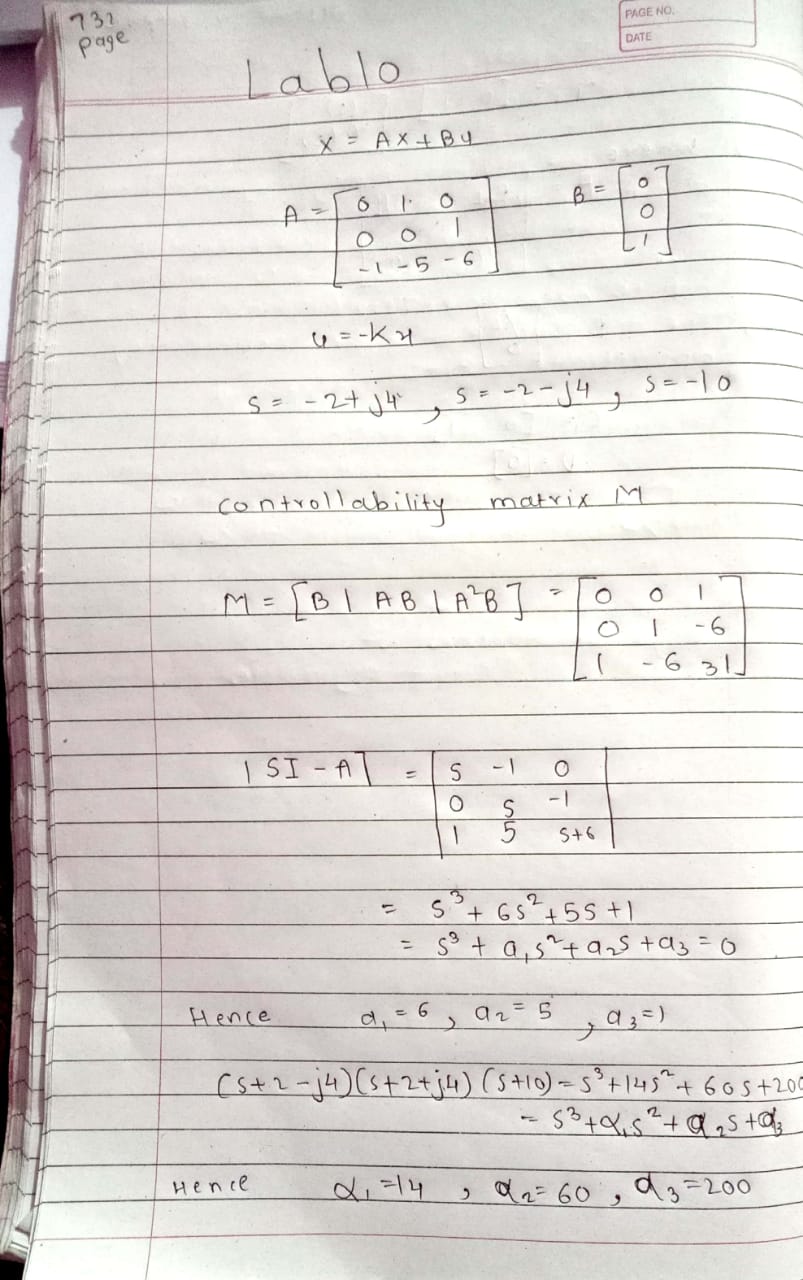
TY\_IC\_C

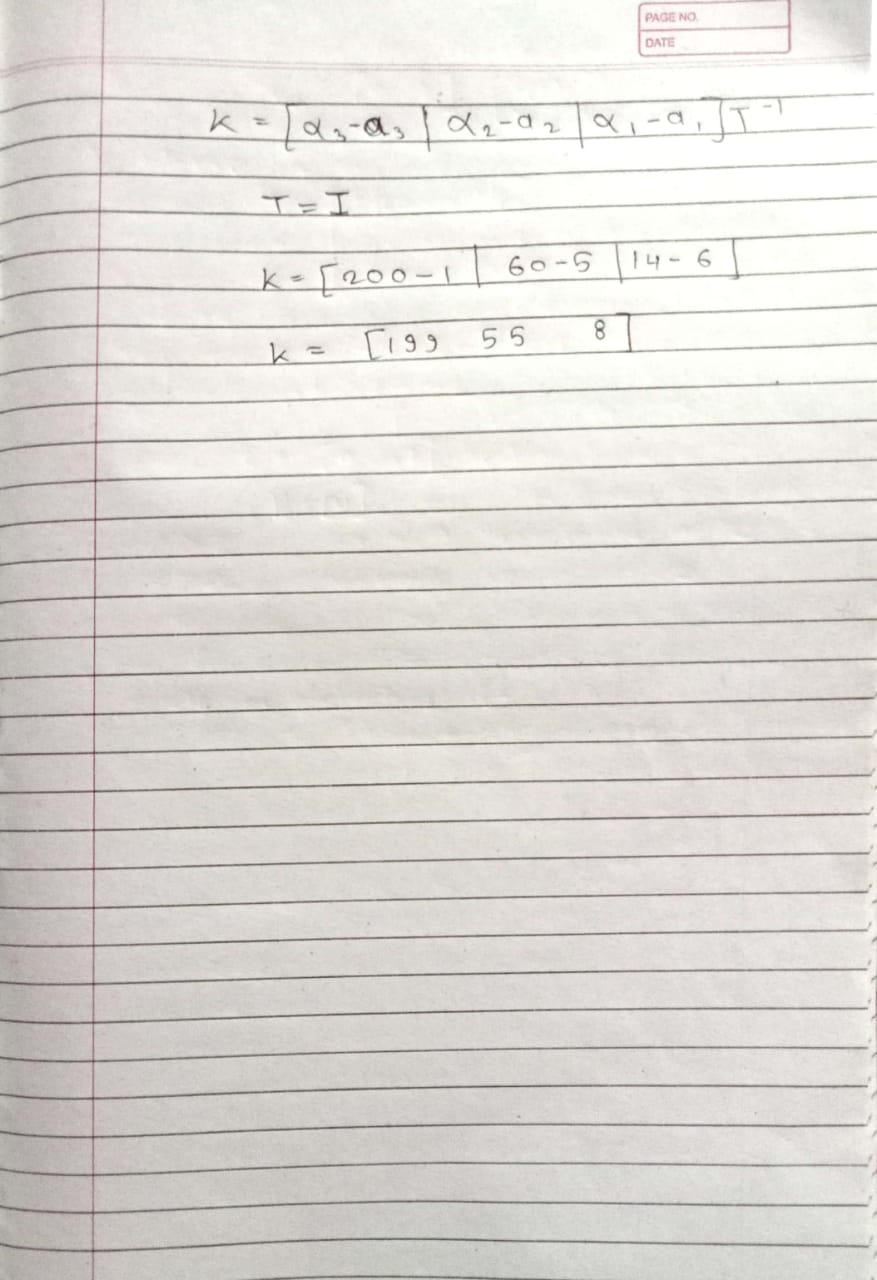
GR-No. 11911197

**Lab Assignment 10**









**Conclusion: -**

Conclusions: A state feedback controller gain matrix is obtained.

**Learning Outcomes:**

• Calculating the controllability matrix on paper in order to determine whether a state feedback controller can be applied on a system.

• Calculating the rank of controllability matrix.

• Using python functions to calculate the Controlability Matrix.

• Using Python function to get the State Feedback Gain Matrix