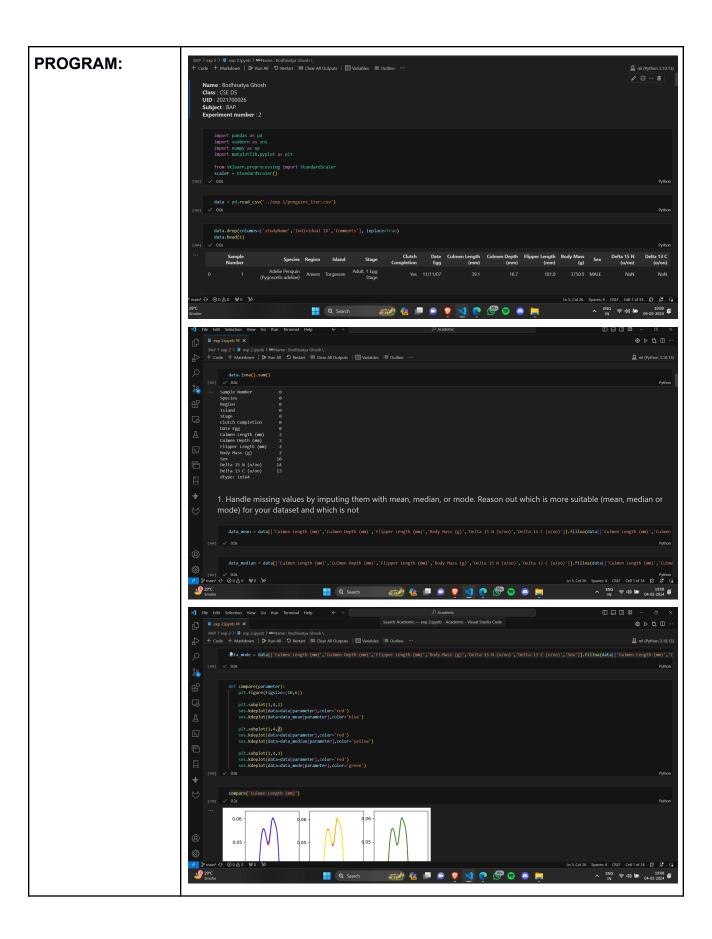
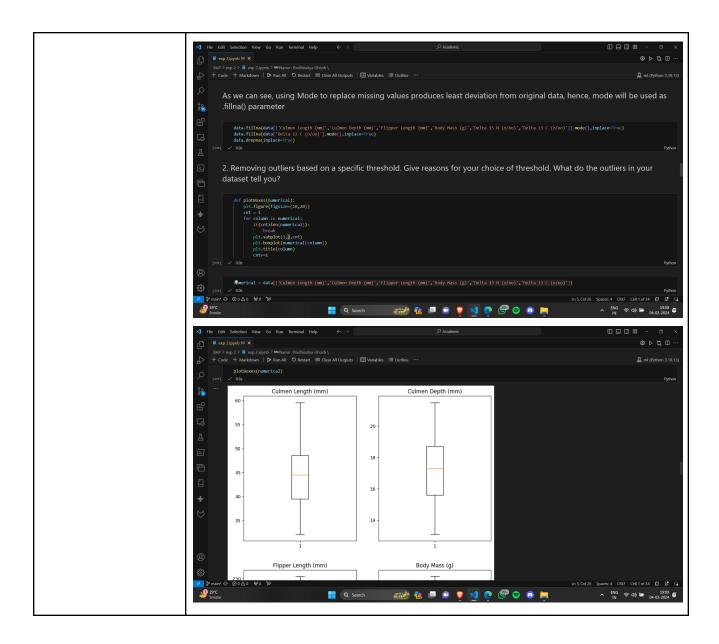
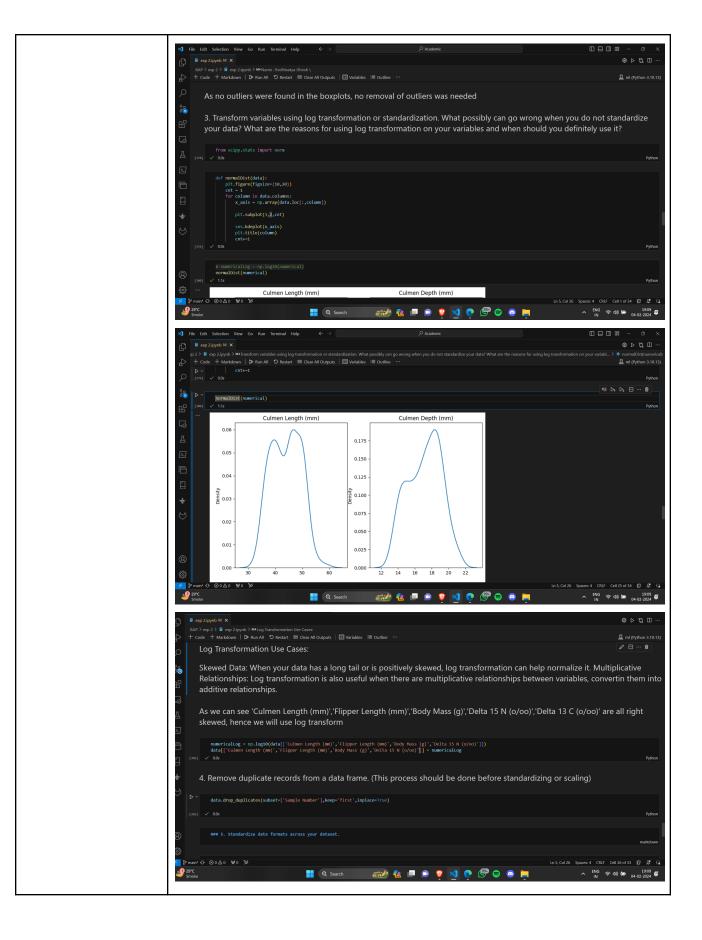
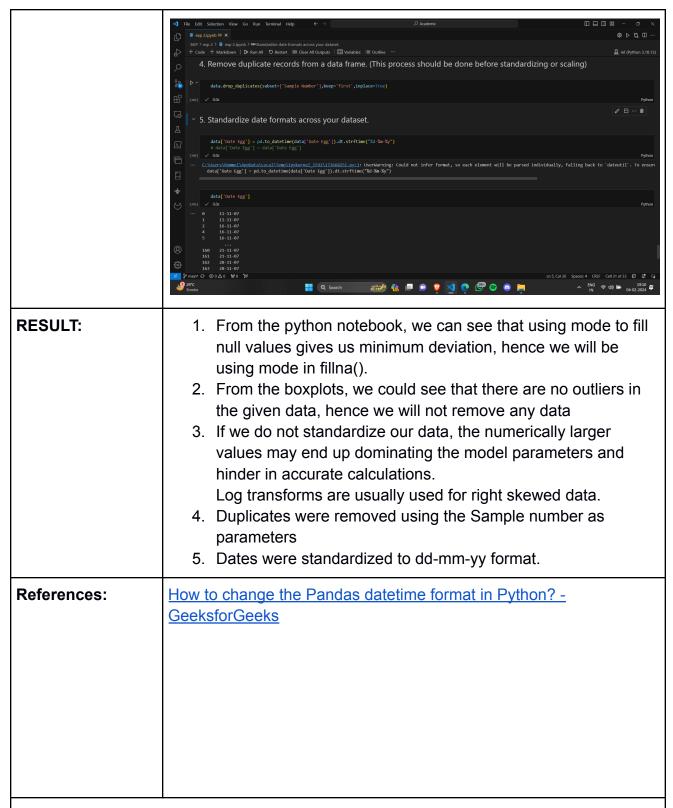
Name	Bodhisatya Ghosh
UID no.	2021700026

Experiment 2	
HONOUR PLEDGE	"I hereby declare that the documentation, code and output attached with this lab experiment has been completed by me in accordance with the highest standards of honesty. I confirm that I have not plagiarized OR used unauthorized materials OR given or received illegitimate help for completing this experiment. I will uphold equity and honesty in the evaluation of my work and if found guilty of plagiarism or dishonesty, will bear the consequences as outlined in the 'integrity' section of the lab rubrics. I am doing so in order to maintain a community built around this code of honour"
PROBLEM STATEMENT :	Data Cleaning and Preprocessing:
	Handle missing values by imputing them with mean, median, or mode. Reason out which is more suitable (mean, median or mode) for your dataset and which is not
	• Removing outliers based on a specific threshold. Give reasons for your choice of threshold. What do the outliers in your dataset tell you?
	• Transform variables using log transformation or standardization. What possibly can go wrong when you do not standardize your data? What are the reasons for using log transformation on your variables and when should you definitely use it?
	Remove duplicate records from a data frame. In case your dataset does not have a exact duplicate rows, can you reason about strategies for identifying and deduplicating your dataset based on a subset of features?
	Standardize date formats across your dataset Is there a certain date-format that you would prefer? why?
THEORY:	









CONCLUSION: In this experiment, I have learnt how to handle missing data, fill in out of format data, check for outliers and how to deal with them.