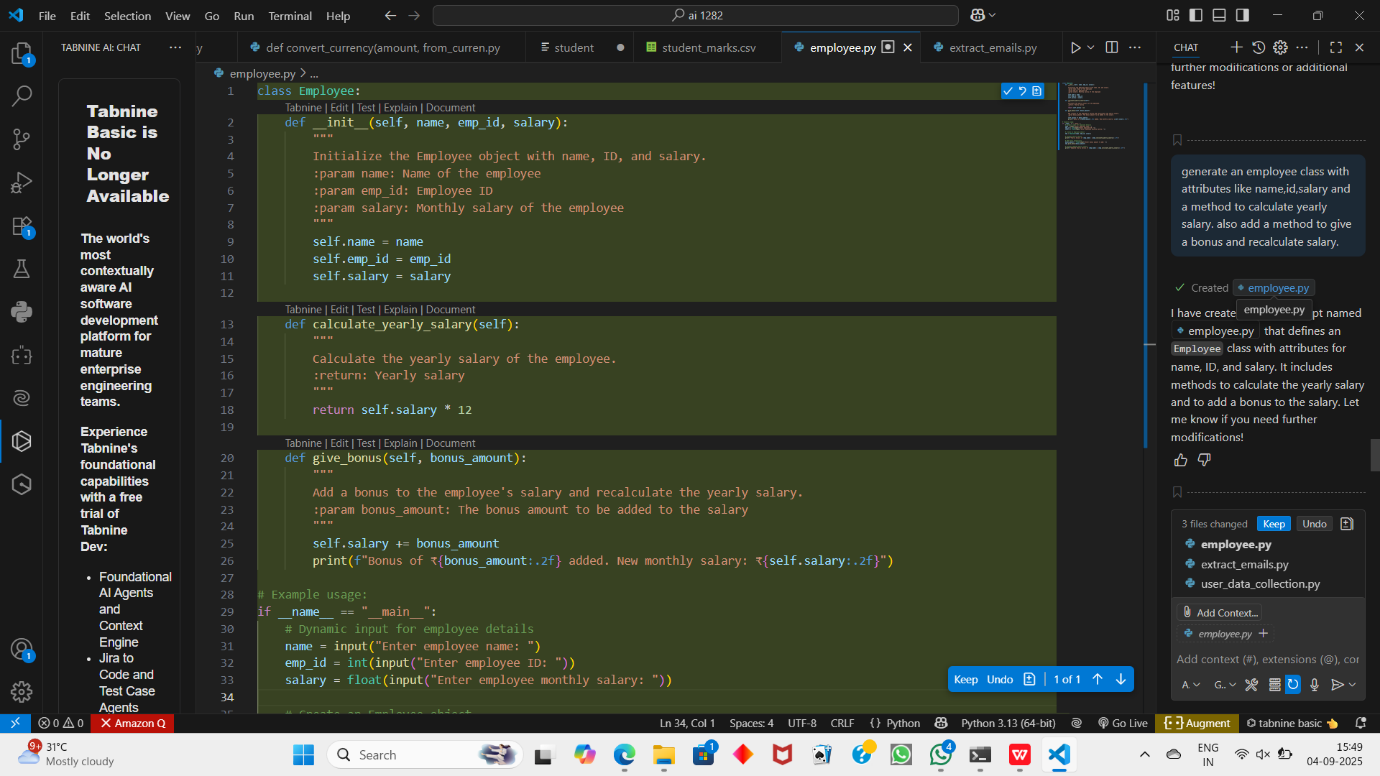
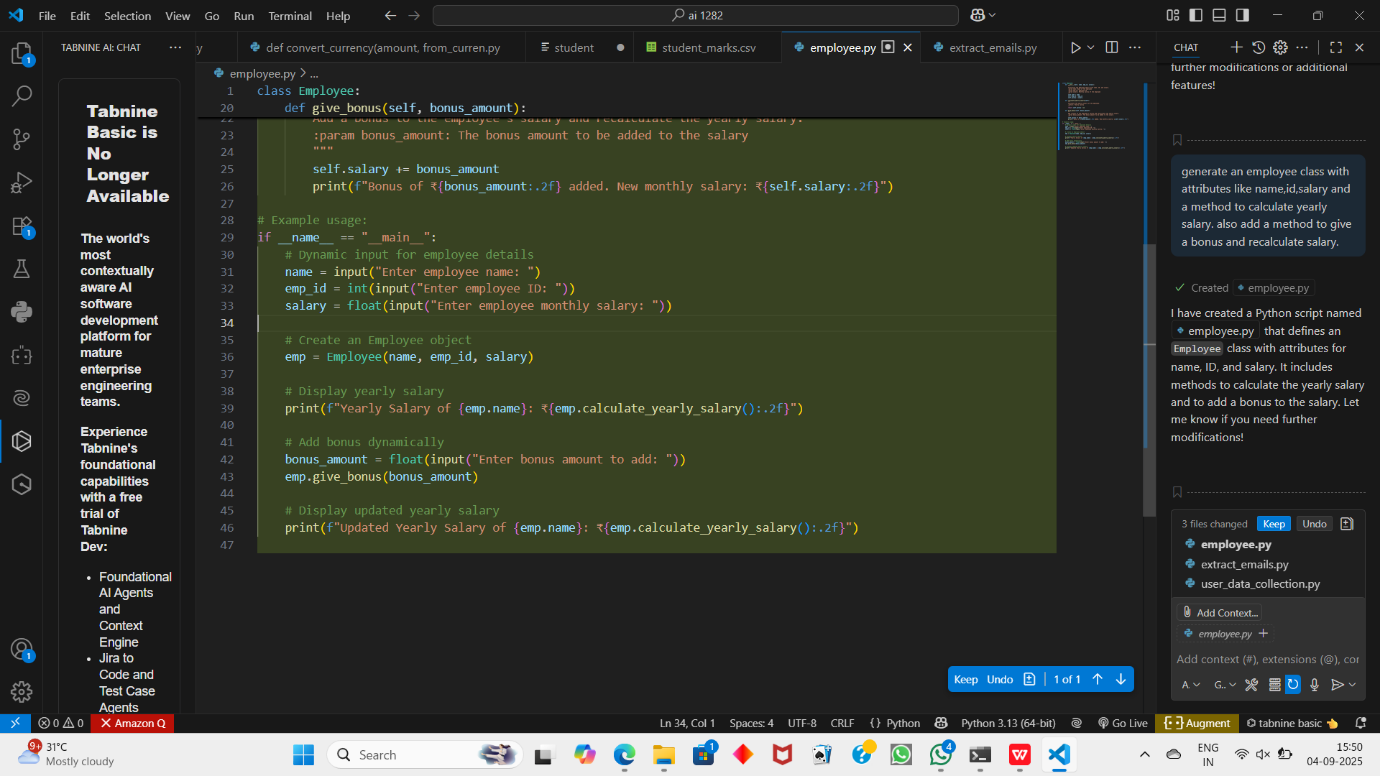
AI ASSISTED CODING LAB-6.2

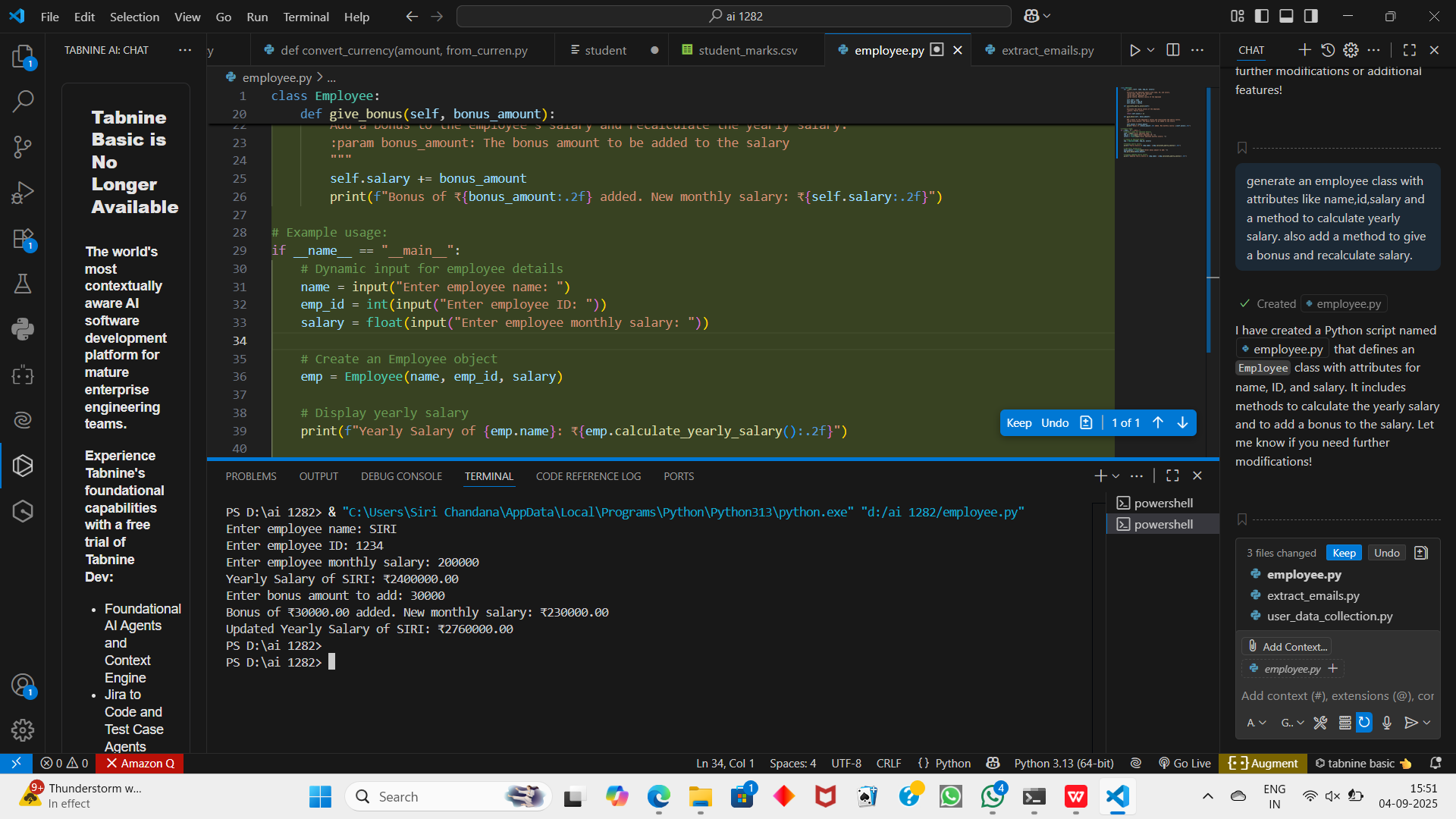
Task1:

Code:



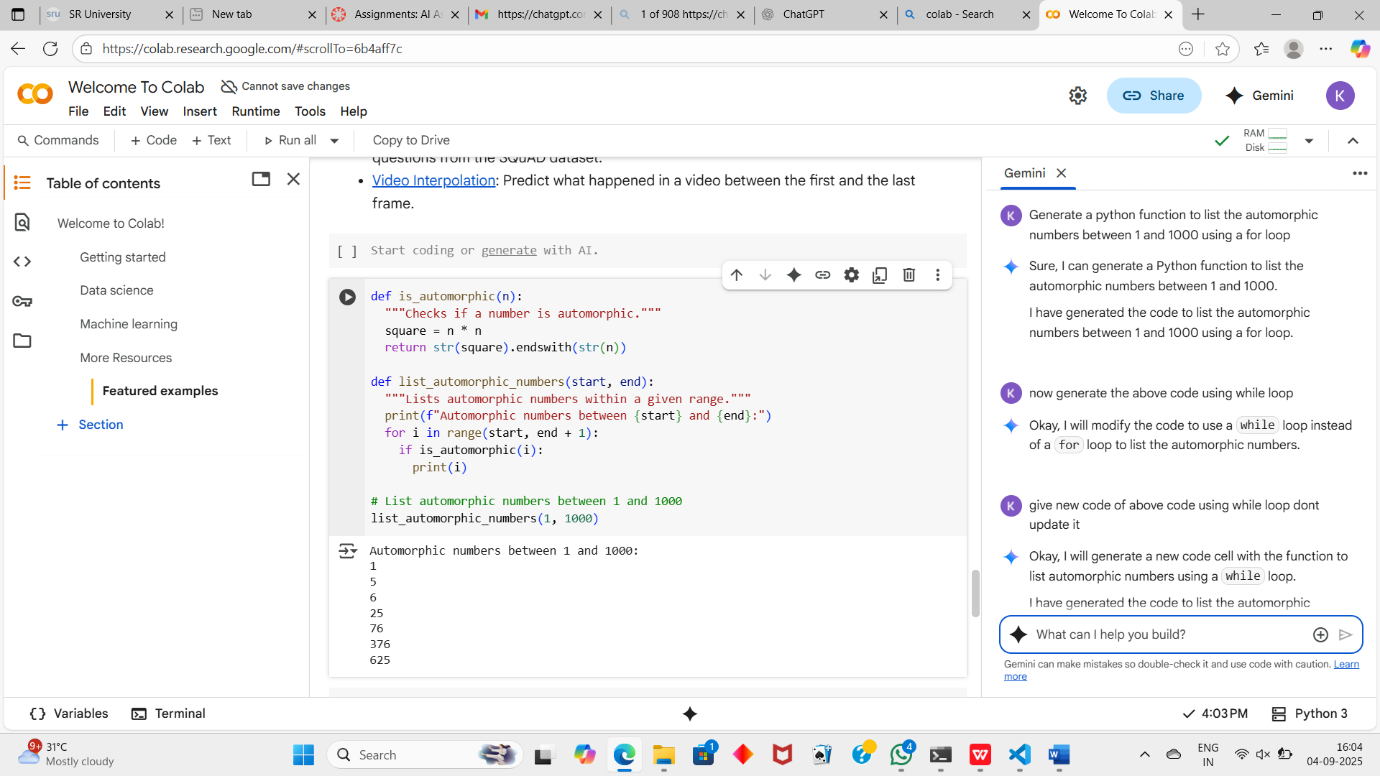


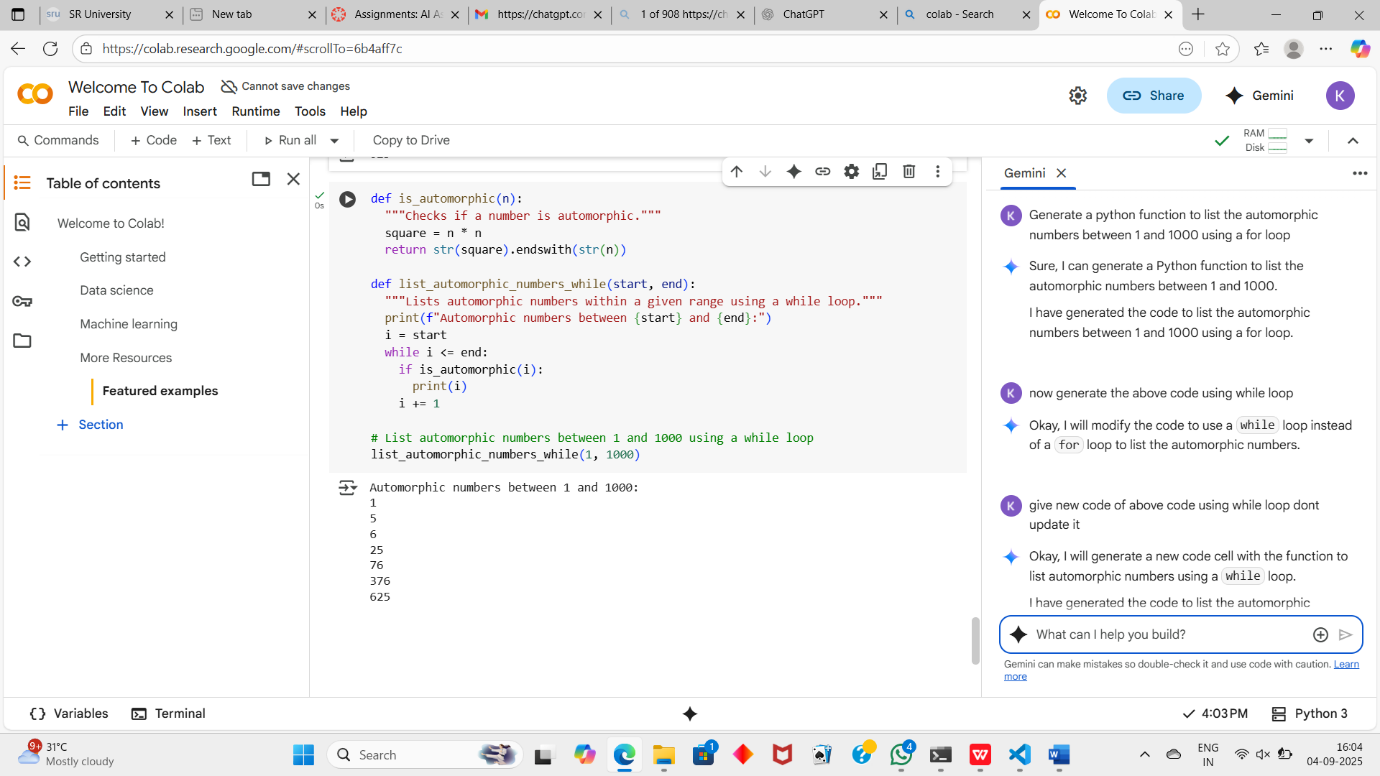
Output:



Task2:

Code and output

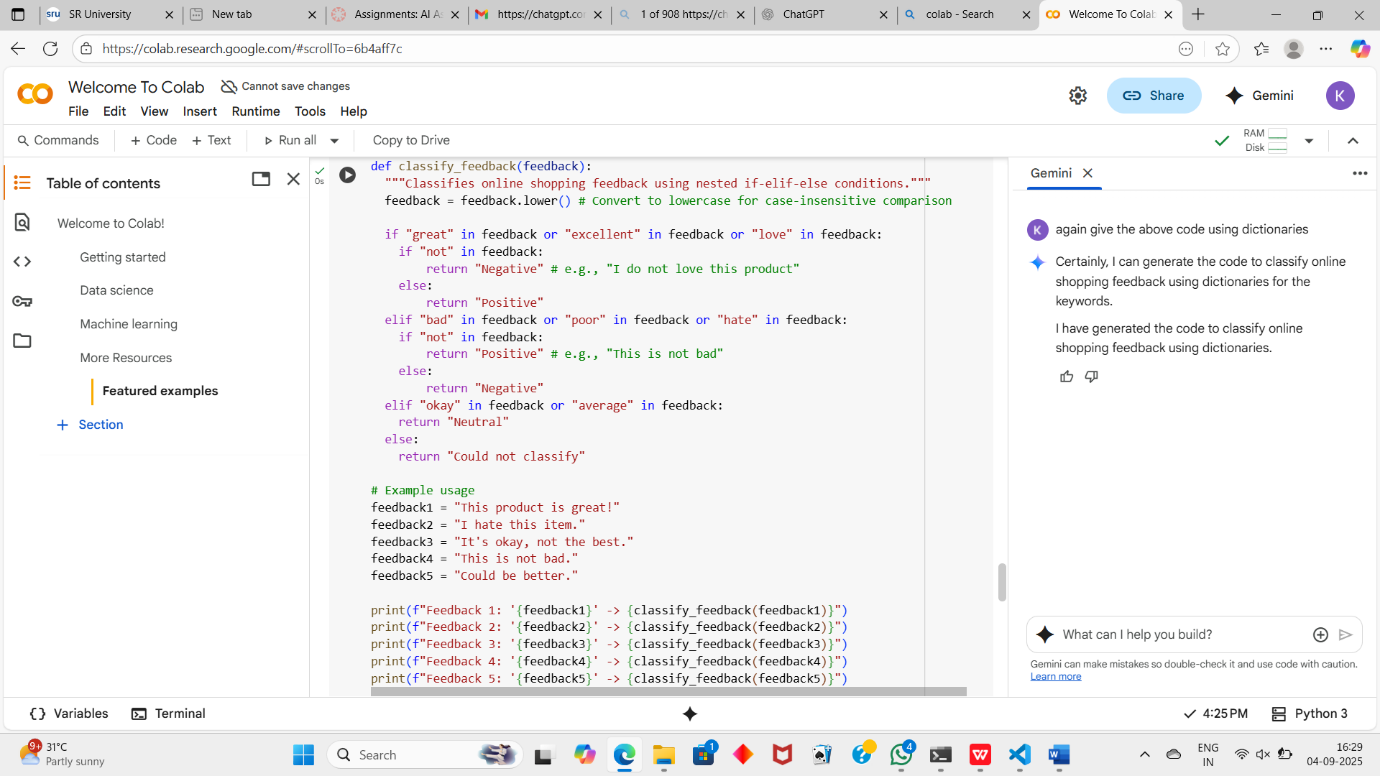


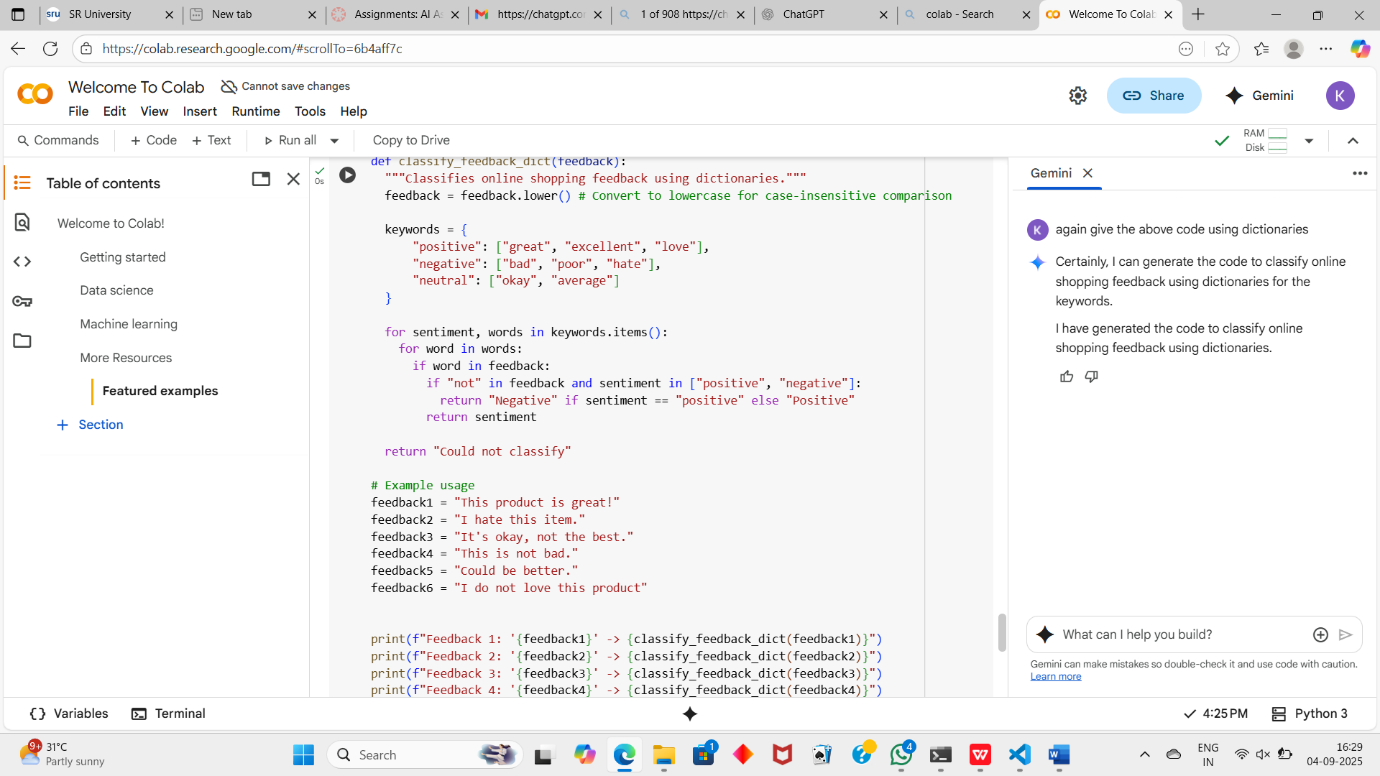
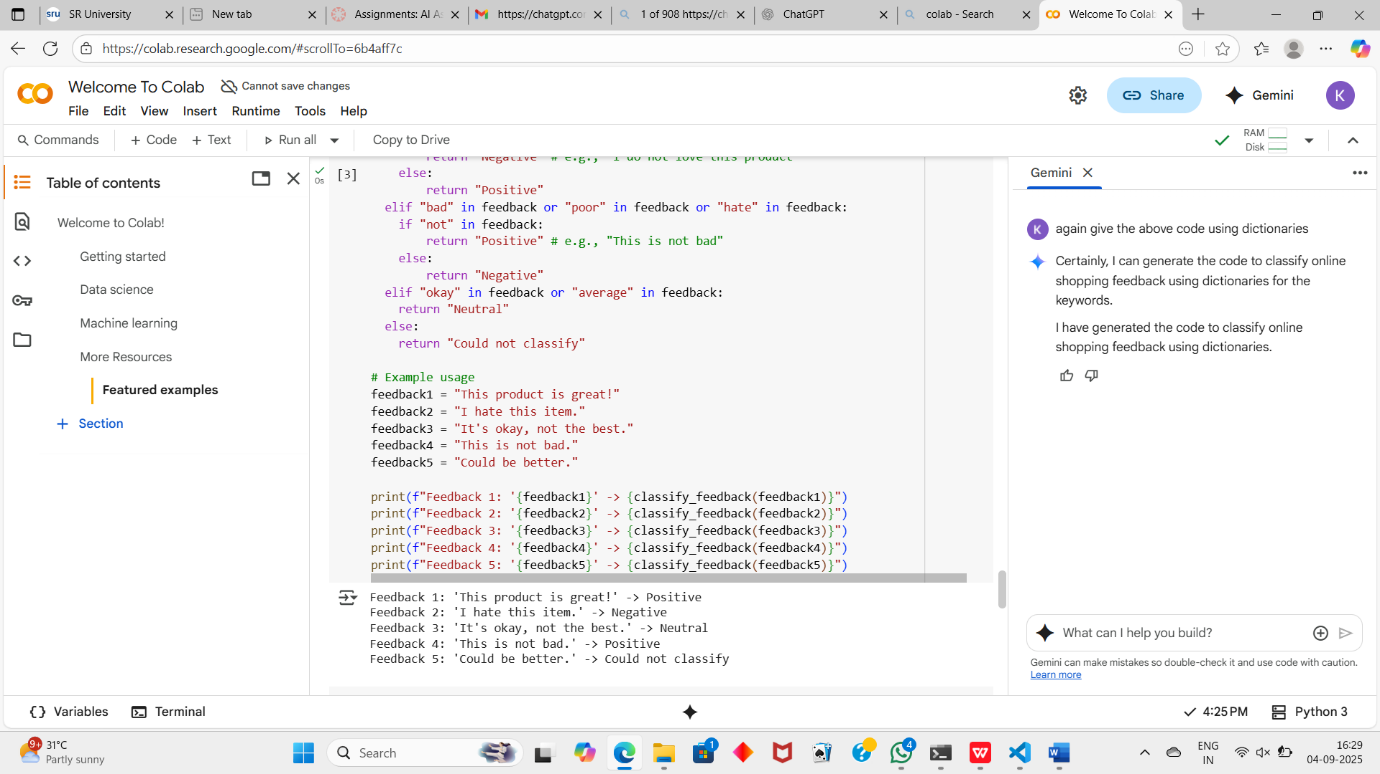


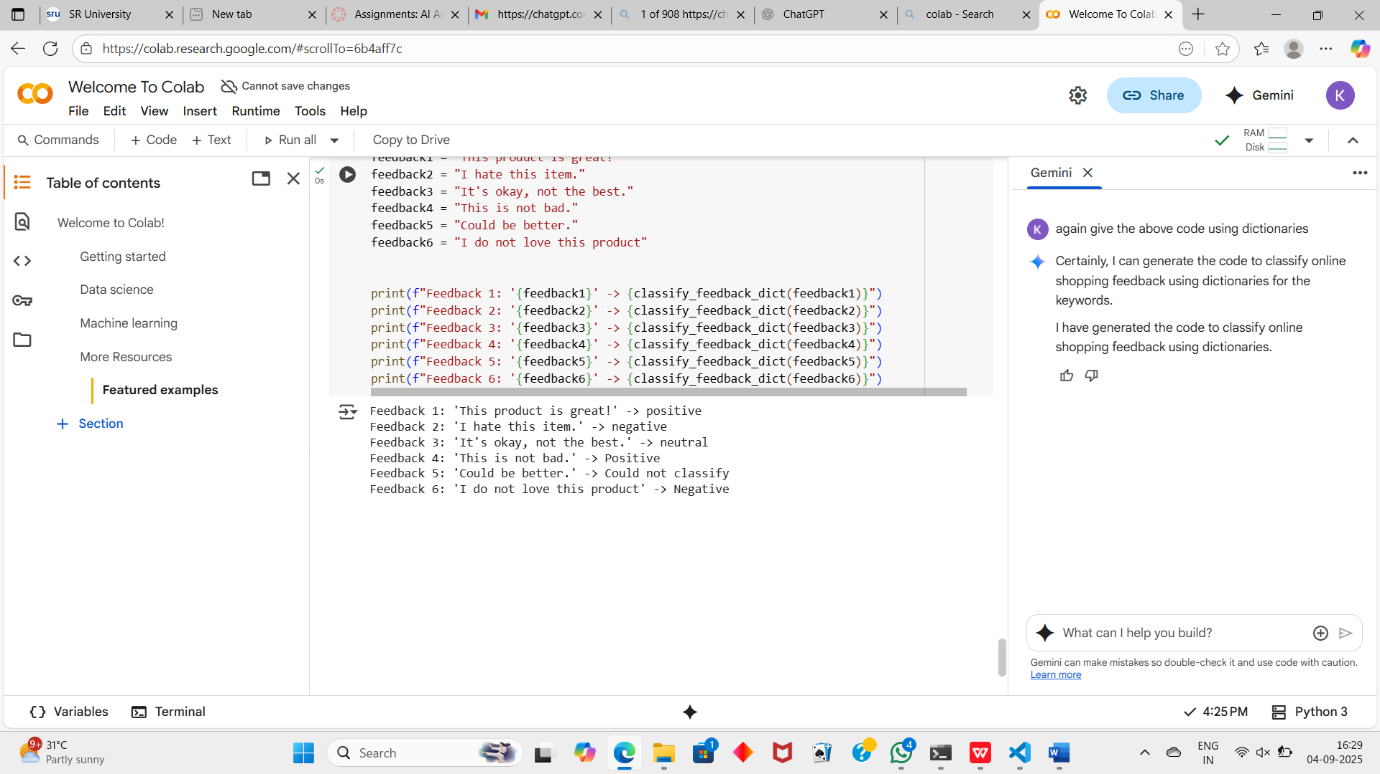
Comparison of for loop and while loop:

Ofcourse both for and while loop are accomplishing the task in the give range, but the control flow structure is different. For loop is used when you know the number of iterations beforehand and while loop is used when the number of iterations is not known in advance and depends on a condition

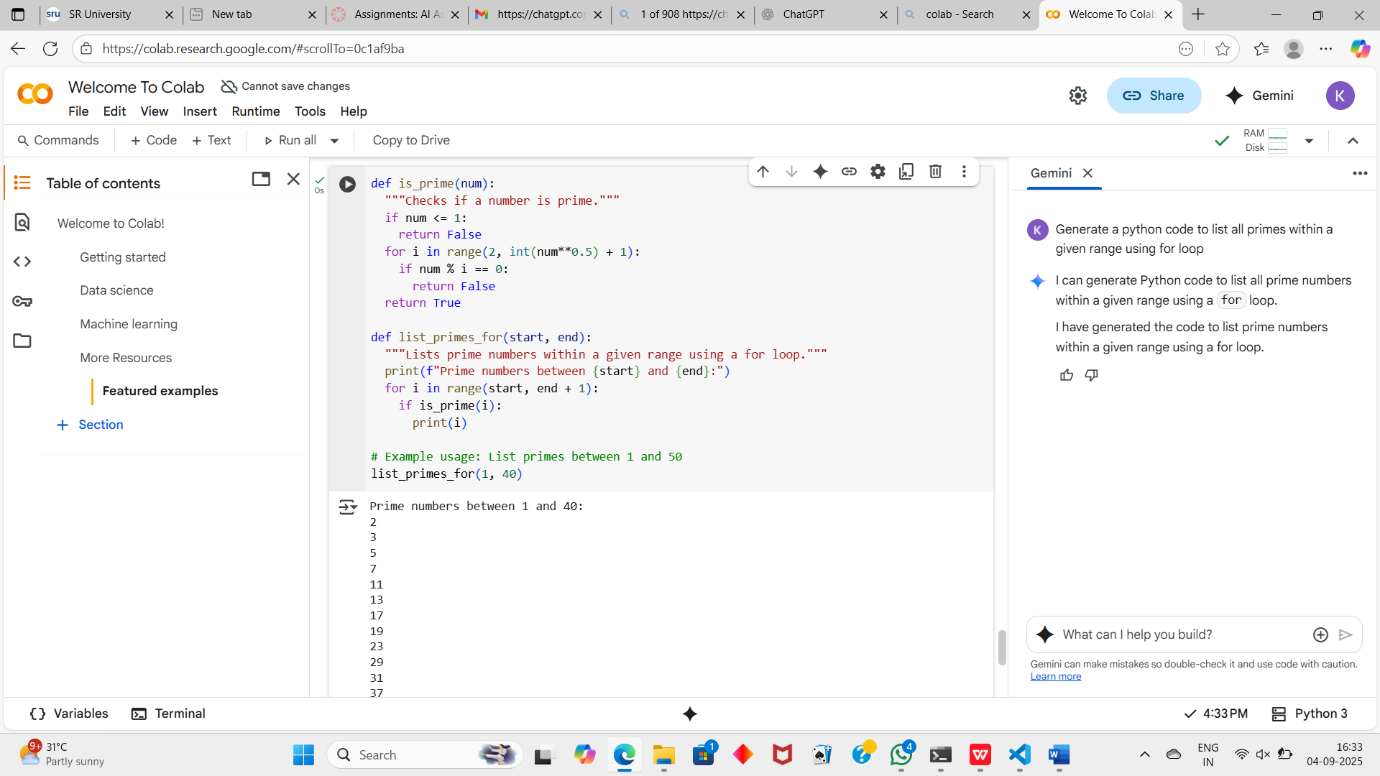
Task3:

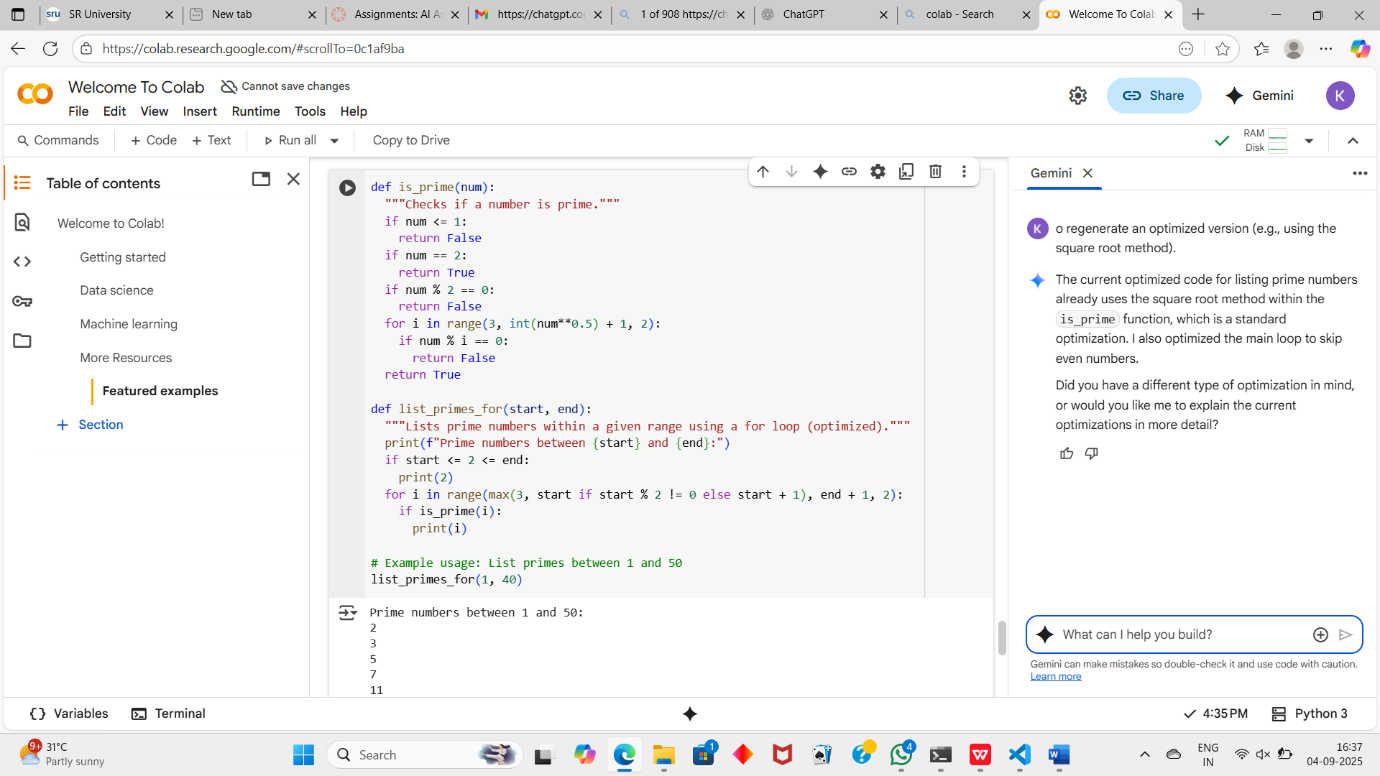


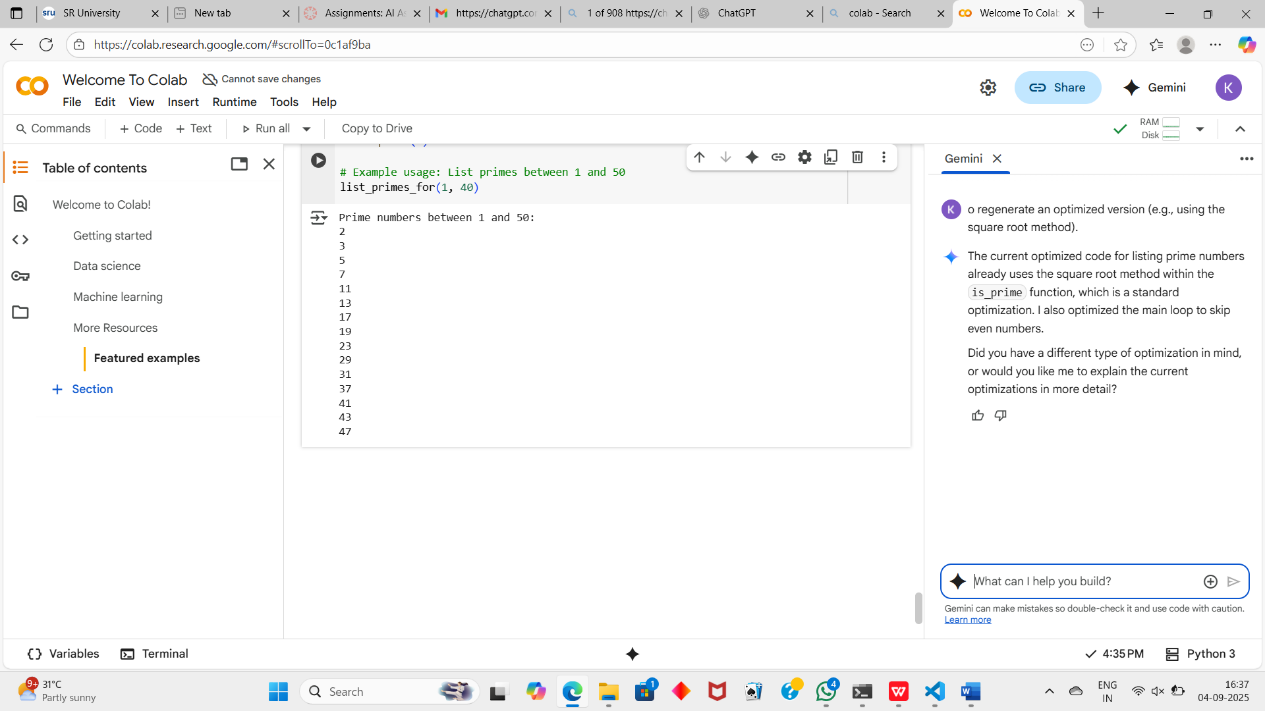




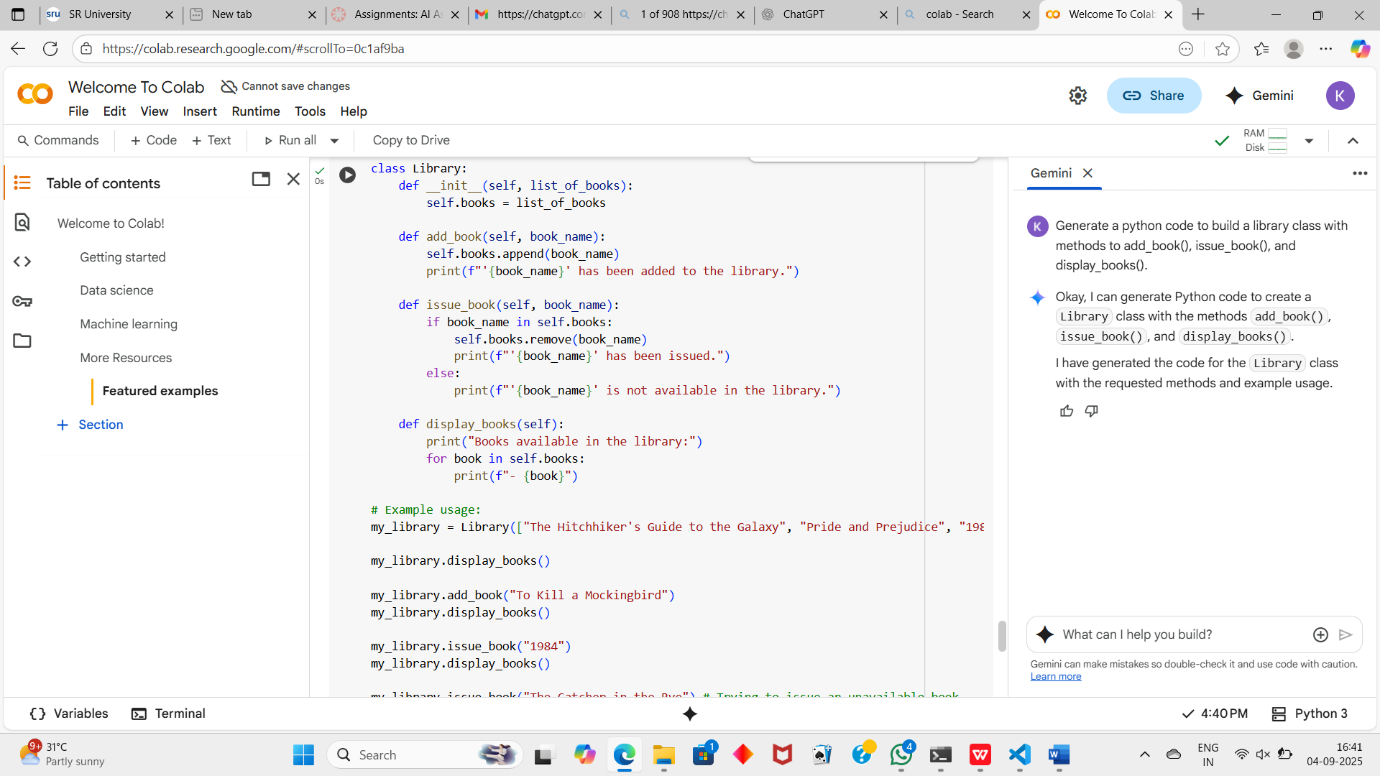
Task4:

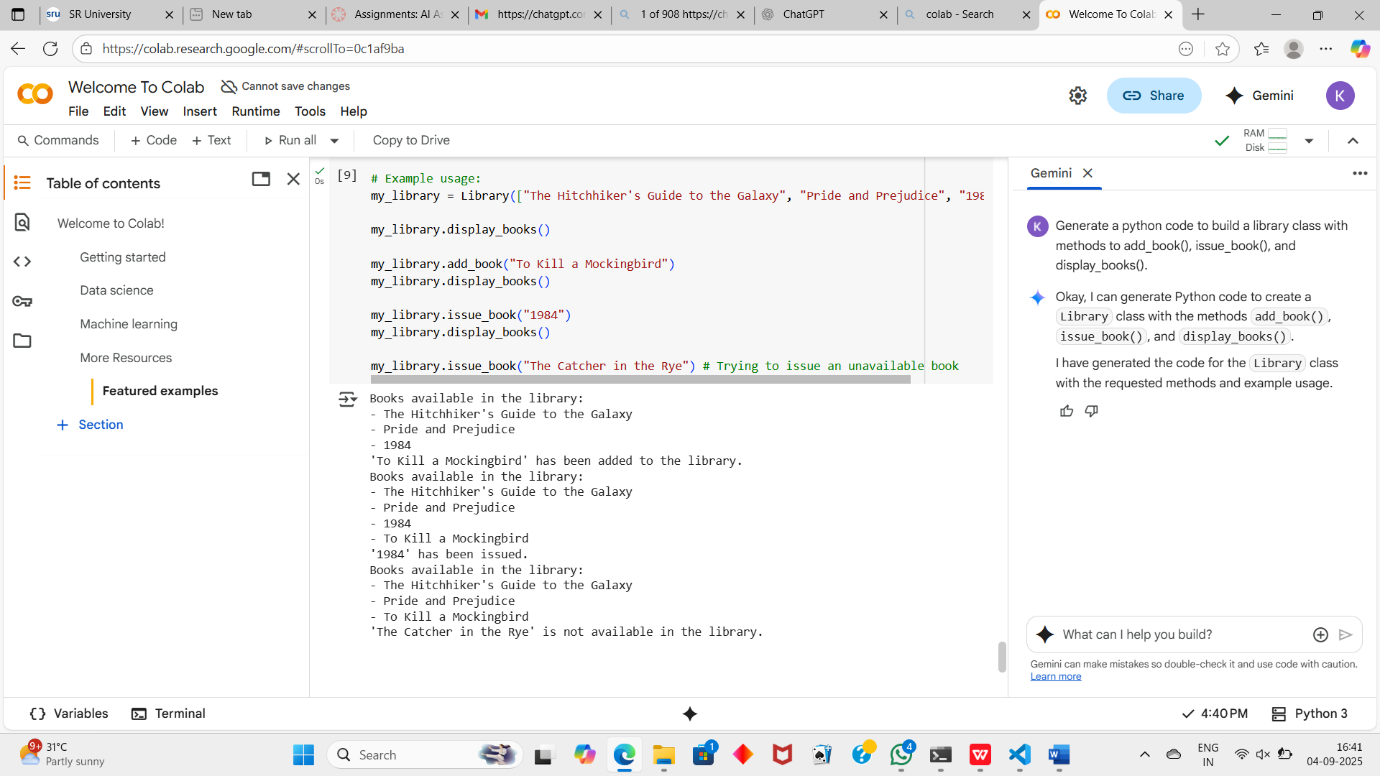






Task5:





After adding comments and documentation

