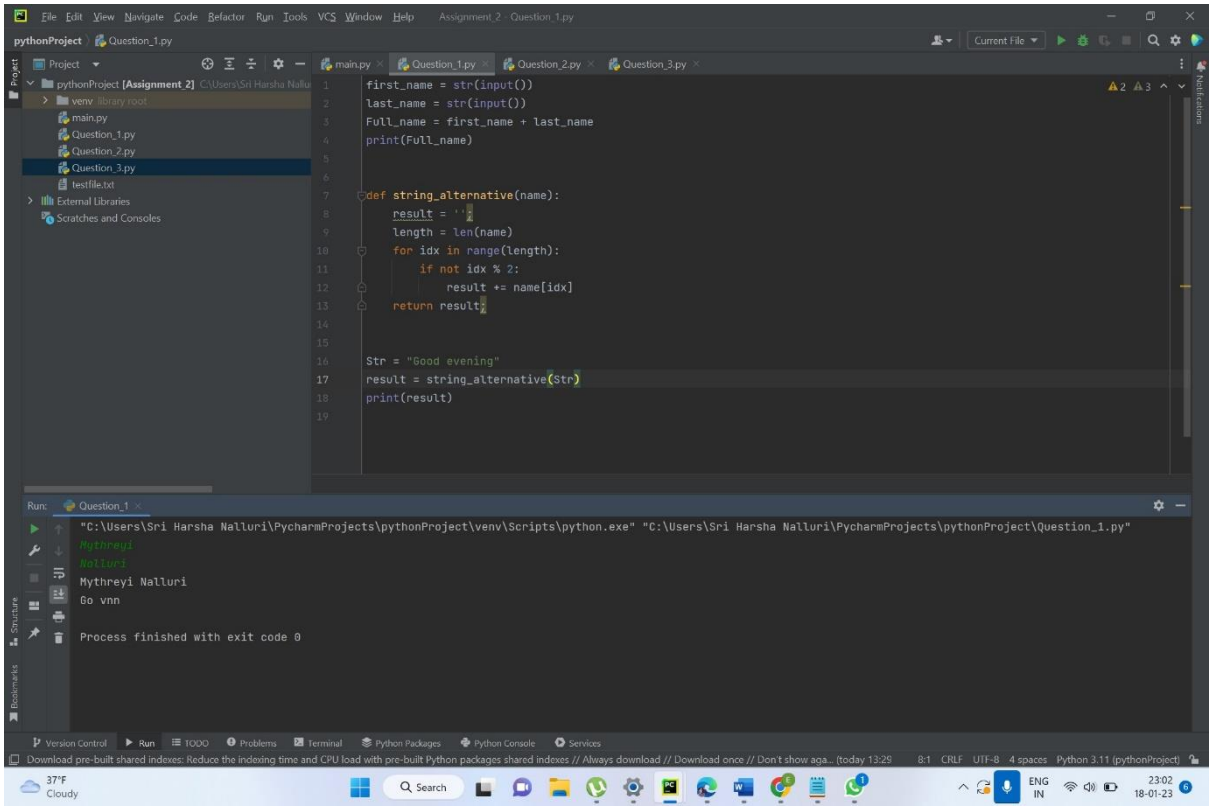
Question 1

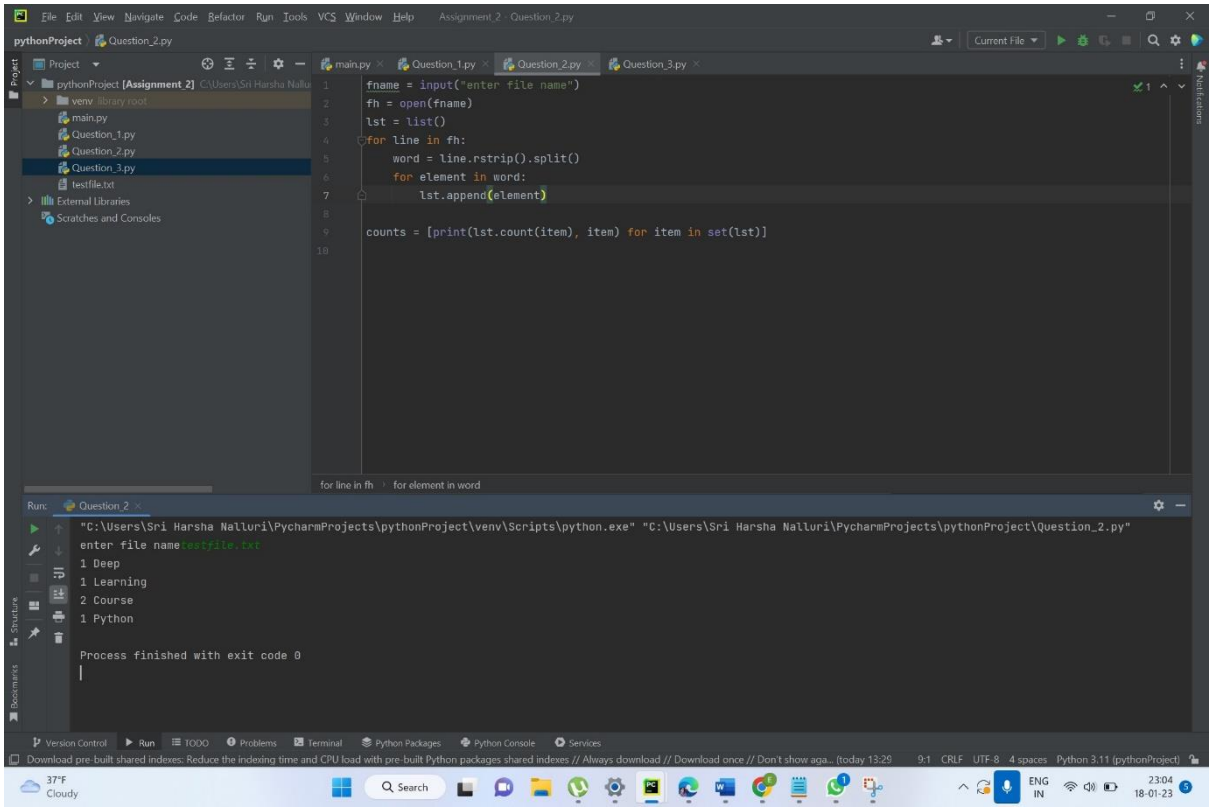
Used two variables first_name and last_name to store the value given by the user and used + operator to concatenate both strings and stored that value in another variable named full_name.

For the string alternative created a function named string_alternative and created a variable named result to store the final output and length for storing the length of the string and used for loop and stored alternative character of the string in the result and print the result.



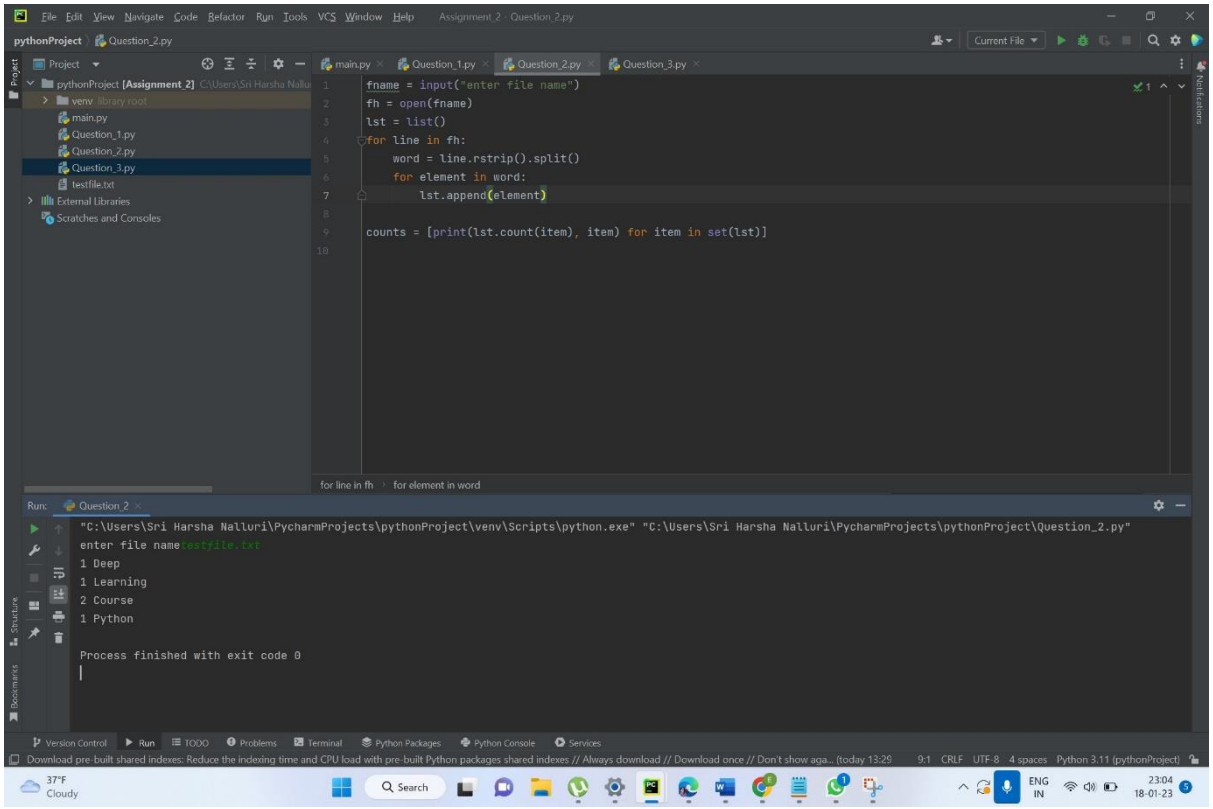
Question 2

Created a text file named testfile.txt as the input file and used the open function for opening the input file. Created a list named lst to store the words in the testfile.txt and used for to traverse the lines of the testfile.txt. In order to store words in list used the split function and stored all words in lst and used the count function to count the words that are stored in lst and print it.



Question 3

Created a variable named data for storing the input taken from the console and created a function for converting inches into centimetres. Created a new list for storing the converted data , appended the values to the list, and printed it.



Video link:

https://drive.google.com/file/d/1fFp9MBU-I9J8hdjEOFD0Ej1u7cAE05Ul/view?usp=sharing