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Assignment: Hiba's Hotel.

Submitted To: Miss Maria.

Purpose

The purpose of the code was to categorize and save a database of the people checking in a hotel that I made up for the program.

The fields were;

- 1. Their Name.**
- 2. CNIC Number.**
- 3. Duration of Stay.**
- 4. Age.**
- 5. The number of rooms they would use.**

The program is very straight forward using a while loop for the driver program to take in the input and give authority to the user when he wants to initiate and close the loop where he is presented with 7 options which I broke down into functions to make the code smaller and more efficient.

The code has an exact number of 100 lines and it has 7 functions which I have explained below.

One more key feature of this program is that the file it saves is for the day thus the database would be updated daily and would be easier to manage when the person in charge would have to analyze and study the data.

Functions:

The program has a total of 7 functions that I have defined to use with my driver code.

- 1. ent(): This function was basically used to input the users data and all his information for when he checks into the hotel.**
- 2. money(): This function was for the user to have an idea of the money he was about to spend or the money he would have to pay according to the hotels policies.**
- 3. display(): This function was to display all the data that has been entered In by the user being it his personal data.**
- 4. save_data(): This function is used to save and store all the data into a file that is to be used by the hotel to keep track of a database.**
- 5. load_data(): This is to fetch the data from that file and display that data to the user in a raw manner.**
- 6. thoughts(): This function was added to take the opinions and critiques of the customers for the hotel to improve in the future.**
- 7. exit(): This function was to finally exit the user from the code and to break the while loop.**