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**SECTION:**

**3B**

**SEMESTER PROJECT OF DATA STRUCTURE AND**

**ALGORITHM.**

**INSTRUCTOR:**

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**PROBLEM:**

**A hotel management system in which data of customer store in file and function for search and delete the data and also if a customer enter its wrong data by mistakenly so staff has access to update this data.**

**MODULES:**

* **Save information**
* **Print bill of customer**
* **Delete information**
* **Update data**
* **Search data**
* **Show all records**

**IMPLEMENTATION:**

**INSERTION():**insertion function use to insert new data in file using file handeling it will be enter its name,id,cell no, allocated date and how many days the customer stay in hotel. It will save in file “save.txt”.

**SEARCHING():**in searching function the system ask room no to staff member and all data of customer will show on the screen.

**DELETION():**in deletion function the system ask room no and if the room data existing the all data should be deleted.

**UPDATION():**in update function if the staff member or customer enter wrong data accidently then the staff member enter its login id and password if it correct it will alow to update data.

**BILL():**in this the no of days stay by customer is multiply by price save in variable is total bill of customer .

**SHOW\_RECORDS:** in this function the staff member is enter its user and password if it is correct then all data show on screen that save in file.

**DATA STRUCTURE:**

Singly link list

**CONCLUSION:**

The hotel management system is very use full system to save data of customer in computer not on copy and registers where the chances of data leak is high , the data save in system.