

## 1. Initial Menu

```
Enter your choice
1.Add a record
2. Display records
3. Save data to text file
4. Update record
5. Delete records
6. Exit without saving
```

When the program is run, this menu is the first thing that pops up on CLI. The user is given 5 options as shown above. He can use these option to perform basic CRUD operations in the teacher database.

## 2. Adding new record

```
Enter the number of records you want to be entered..
2

Enter the teacher's ID :
111
Enter teacher's name :
Rina
Enter Class :
7
Enter Section :
D

Enter the teacher's ID :
112
Enter teacher's name :
Venu
Enter Class :
6
Enter Section :
B
```

For option 1, the user is first asked for the number of records he wishes to enter. Then he is asked for the corresponding data for the chosen number of records.

### 3. Displaying records from text file

```
Teacher ID = 111  
Name = Rina  
Class = 7  
Section = D
```

```
Teacher ID = 112  
Name = Venu  
Class = 6  
Section = B
```

```
Teacher ID = 342  
Name = Nitin  
Class = 10  
Section = A
```

The records saved in text file are displayed on the CLI after selecting option 2.

### 4. Saving data to text file

```
3  
Data saved successfully in text file
```

All data entered by the user is put to text file using this option.

### 5. Updating an existing record

```
Teacher ID = 342  
Name = Nitin  
Class = 10  
Section = A
```

Old data

```
Teacher ID = 342  
Name = Nitin  
Class = 4  
Section = A
```

Modified data

Here, data for the user has been modified by entering the corresponding user ID.

## 6. Deleting the record

```
Enter the teacher's id for which record is to be deleted  
777  
  
Invalid Id entered
```

```
5  
Enter the teacher's id for which record is to be deleted  
118  
Found record. Deleting. record..
```

User can delete a record provided that the record exists in either the text file or was entered for the current run of the application. Otherwise an error stating “ Invalid ID entered ” is thrown.