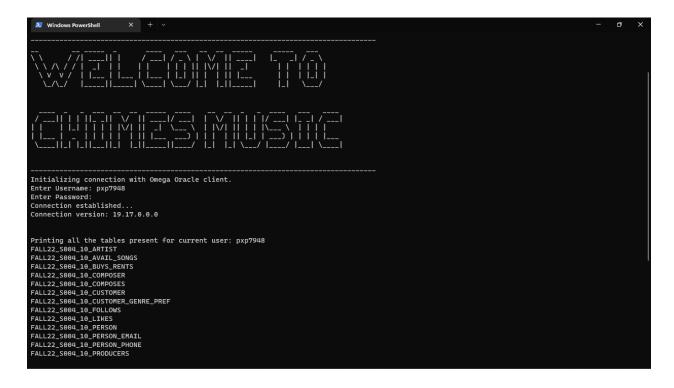
#### Welcome Screen



# Login into the Chimes Music Database



Showing all the options the user can choose.

```
Windows Powershell X + V - O X

Connection established...
Connection version: 19.17.6.8.8

Printing all the tables present for current user: pxp7948
FALL22_S084_18_ARTIST
FALL22_S084_18_ARTIST
FALL22_S084_18_ARTIST
FALL22_S084_18_OWNDOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_COMPOSES
FALL22_S084_18_FOLLOWS
FALL22_S084_18_FORDER_FERSON
FALL22_S084_18_FORDER_FERSON
FALL22_S084_18_FORDER_FERSON
FALL22_S084_18_FORDER_FERSON
FALL22_S084_18_FORDERS
FALL22_S084_18_FORDERS
FALL22_S084_18_STMGS
FALL22_S084_18_STMGS
FALL22_S084_18_STMGS
FALL22_S084_18_SUMGS
FALL22_S
```

Choosing Option 1 from main menu to display table

```
Following are the options that we can be executed from the front end interface:
Option #
                                      Description
      1
                       Display contents of tables
      2
                      Modification of tables data
      3 Performing Business goals from front end
                                        Exit code
Enter option corresponding to the operation that you want to perform: 1
Option #
                Table name
      1
                buys_rents
      2
                      songs
      3
                     person
      4 Back to main menu.
Enter option from above:
```

Table name option has been chosen which shows the table content

```
Following are the options that we can be executed from the front end interface: Option \#
                                      Display contents of tables
Modification of tables data
             3 Performing Business goals from front end
4 Exit code
Enter option corresponding to the operation that you want to perform: 1 Option # Table name
                              buys_rents
                                      songs
             4 Back to main menu.
Enter option from above: 2
                                                                SONG_NAME GENRE
Chamak Challo Hiphop
                                                                                            GENRE REGION RELEASE_DATE
                                                                                                           1 07-20-2009
2 07-14-2010
1 10-08-2000
2 08-31-2009
3 10-30-2000
                                                                               359am
Sugar
                                                                                            Rap
Jazz
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
                                                                           Silence
                                                                                                 RnB
                                                                              Sorry Hiphop
                                                                                                                3 10-30-2000
3 02-04-2009
2 08-17-2008
1 11-25-2007
2 02-17-2004
1 07-04-2000
1 11-25-2008
3 04-24-2004
3 01-13-2006
3 10-113-2006
                                                                                              Rap
Jazz
                                                                        Despacito
                                                                            Closure
                                                                                Mood
Maps
                                                                                                 RnB
                                              Apna time ayega Rap
Apna time ayega Rap
Like a Rolling Stone Rap
Smells Like Teen Spirit Hiphop
A Day in the Life Jazz
Good Vibrations Hiphop
                  10
                 11
12
13
14
15
16
17
                                                                                                                 Johnny B. Goode
Respect
                                                                                                Jazz
RnB
                                                              Be My Baby
Whats Going On
                                                                                                 RnB
                                                                                              Jazz
                               I Heard It Through the Grapevine RnB
(I Cant Get No) Satisfaction Hiphop
                                                                                                                         02-25-2007
11-07-2003
```

Choosing option 1 to update firstname and lastname from the persons table.

```
Following are the options that we can be executed from the front end interface:
Option # Description

1 Display contents of tables data
3 Performing Business goals from front end
4 Exit code

Enter option corresponding to the operation that you want to perform: 2
Option # Description

1 Update name of person from Person table using frame and hanne.
2 Delete song from Songs table using song.id.
3 Back to main menu.

Enter option from above: 1

Enter the name that you want to update: Hemant
Enter the last name: Bhopee

First name present in the database
Last name present in the database
Last name present in the database

Following are the records that will be affected.

PID FHAME MNAME LNAME GENDER DOB

Enter the new first name: Marshal
Enter the new first name: Bhope

Following are the modified rows of the person table:
PID FHAME MNAME LNAME GENDER DOB

8 2178 Harshal None Bhope m 11-10-1998
```

Record updated successfully.

## Choosing option 2 to Delete the record from songs table

Record Deleted Successfully.

### **Performing Business Goals.**

Choosing option 3 from the Main Menu and option 1 to find the number of songs purchased or rented by a given customer.

```
Windows PowerShell
Following are the options that we can be executed from the front end interface:
Option #
                                          Description
                         Display contents of tables
                        Modification of tables data
        3 Performing Business goals from front end
                                            Exit code
Enter option corresponding to the operation that you want to perform: 3
Option #
                                                                                             Description
                                        Find the number of songs purchased or rented by a customer.
       2 Generate cummulative sum revenue report for year range specified.
3 Find top k singers with highest number of likes for their songs (k specified by user).
              Find number of songs that are available, unavailable or both as specified by user.
                                                                                     Back to main menu.
Enter option from above: 1
Enter first name of customer: Gene
Enter last name of customer: Avalon
Enter the transaction type (b - purchase, r - rent): b PID CUST_FNAME CUST_LNAME SONG COUNT
0 2018
                         Avalon
               Gene
Following are the options that we can be executed from the front end interface:
Option #
                                          Description
                         Display contents of tables
                        Modification of tables data
        3 Performing Business goals from front end
                                            Exit code
Enter option corresponding to the operation that you want to perform:
```

Choosing option 3 from the Main Menu and Option 2 to generate cumulative sum revenue for a given year.

```
Windows PowerShell
Following are the options that we can be executed from the front end interface:
Option #
                                          Description
                         Display contents of tables
                        Modification of tables data
        3 Performing Business goals from front end
                                            Exit code
Enter option corresponding to the operation that you want to perform: 3
Option #
                                                                                             Description
                                        Find the number of songs purchased or rented by a customer.
       Generate cummulative sum revenue report for year range specified.

Find top k singers with highest number of likes for their songs (k specified by user).
              Find number of songs that are available, unavailable or both as specified by user.
       4
       5
                                                                                     Back to main menu.
Enter option from above: 2
Enter start year: 2010
Enter end year: 2015
   YEAR YEAR_REVENUE
                         CUMM_REVENUE
  2010
                     64
                                    64
   2011
                     23
                                    87
   2012
                     74
                                   161
   2013
                                   195
                     34
   2014
                    105
                                    300
   2015
                     36
                                   336
```

Choosing option 3 from the Main Menu and Option 3 to find the top n singers with the highest number of likes for their songs.

```
Following are the options that we can be executed from the front end interface:
Option #
                                           Description
                          Display contents of tables
                         Modification of tables data
          Performing Business goals from front end
                                             Exit code
Enter option corresponding to the operation that you want to perform: 3
Option #
                                                                                               Description
                                        Find the number of songs purchased or rented by a customer.
          Generate cummulative sum revenue report for year range specified. Find top k singers with highest number of likes for their songs (k specified by user).
               Find number of songs that are available, unavailable or both as specified by user.
                                                                                       Back to main menu.
Enter option from above: 3
Enter the value of k: 10
SINGER_FNAME SINGER_LNAME
                                                    SONG_NAME LIKE_COUNT
         Arthur
                          Cruz
                                                       Heroes
        Dorothy
                        Cobain
                                                My Generation
            Sam
                        Clyde
                                                 99 Problems
                                                                           4
          Perry
                      Connick,
                                    House of the Rising Sun
                                              All My Friends
Billie Jean
                        Carter
                                                                           3
         Johnny
5
         Maggie
                                                                           3
                        Cline
         Johnny
                       Cornell
                                                  The Message
7
8
           Kurt
                       Cochran
                                        Unfinished Sympathy
          Harry
                        Connor
                                  Strawberry Fields Forever
        Dorothy
                        Cobain
                                River Deep - Mountain High
```

## Choosing option 3 from the Main Menu and option 4 to find the available status

```
Following are the options that we can be executed from the front end interface:
Option #
                                         Description
                        Display contents of tables
                       Modification of tables data
       3 Performing Business goals from front end
                                           Exit code
Enter option corresponding to the operation that you want to perform: 3
Option #
                                                                                          Description
                                      Find the number of songs purchased or rented by a customer.
       Generate cummulative sum revenue report for year range specified.
Find top k singers with highest number of likes for their songs (k specified by user).
              Find number of songs that are available, unavailable or both as specified by user.
       4
                                                                                   Back to main menu.
Enter option from above: 4
Enter song type (A/ U/ B): a
      Status Song_count
  Available
Following are the options that we can be executed from the front end interface:
Option #
                                        Description
                        Display contents of tables
                       Modification of tables data
         Performing Business goals from front end
                                           Exit code
Enter option corresponding to the operation that you want to perform:
```