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**SESSION 2020-21**

**COMPUTER SCIENCE (083)**

**PROJECT REPORT**

**ON**

**SALOON MANAGEMENT SYSTEM (SMS)**

|  |  |
| --- | --- |
| **SUBMITTED BY:**  **ARADHANA**  **Roll No\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **SUBMITTED TO :**  **MR. GURPREET SINGH PUNJ** |

**EXTERNAL EXAMINER SIGNATURE**

**CERTIFICATE**

This is to certify that ARADHANA of Class XII of Pathseekers School haS completed HER project under my supervision. SHE HAS shown utmost sincerity in completing this project.

I certify that this project is in accordance with guidelines issued by CBSE.

Mr. gurpreet singh punj

**Acknowledgement**

Firstly, I would like to extend a vote of thanks to our ever-supporting and awesome principal, Dr. Sucheta Jasrai as well as our hardworking and exemplary headmistress, Ms. Sindhu Tharaney for giving us the opportunity to make this project.

My heartiest thanks to Mr. Gurpreet Singh Punj, my computer science teacher, who has been of a great help in my project work. He guided us at all stages of the project and gave valuable suggestions and guidance for completing the project. We are thankful to our parents who have been assisting and encouraging us.

Last by not least, I am grateful to my team mates for being with me consistently and making their respective contributions towards the successful completion of our project. It was a great experience working with them.

**NAME:** ARADHANA

**CLASS:** XII

**ROLL NO:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**DATABASE**

create database dbsaloon;

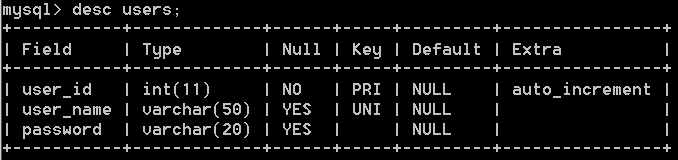
use dbsaloon;

**USERS**

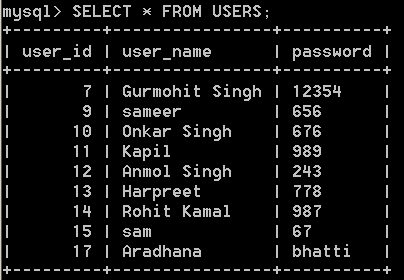
**COMMAND**

create table users(user\_id int primary key auto\_increment, user\_name varchar(50), password varchar(20));

**STRUCTURE**



**DATA**

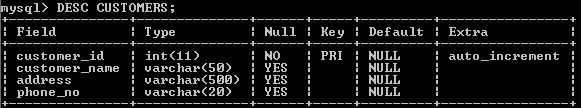


**CUSTOMER**

**COMMAND**

create table customers(customer\_id int primary key auto\_increment, customer\_name varchar(50), address varchar(500), phone\_no varchar(20));

**STRUCTURE**



**DATA**

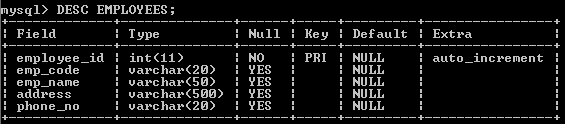


**EMPLOYEES**

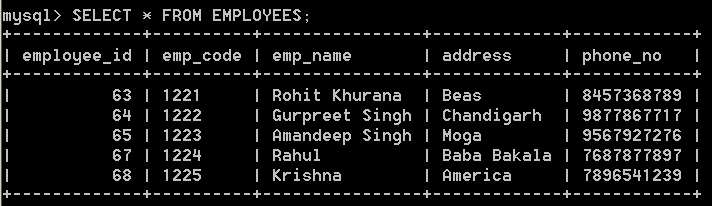
**COMMAND**

create table employees(employee\_id int primary key auto\_increment, emp\_code varchar(20), emp\_name varchar(50), address varchar(500), phone\_no varchar(20));

**STRUCTURE**



**DATA**

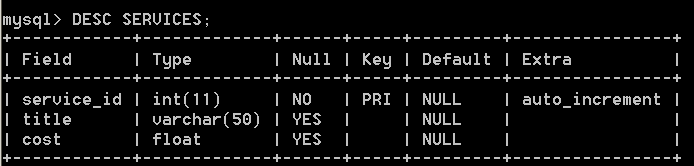


**SERVICES**

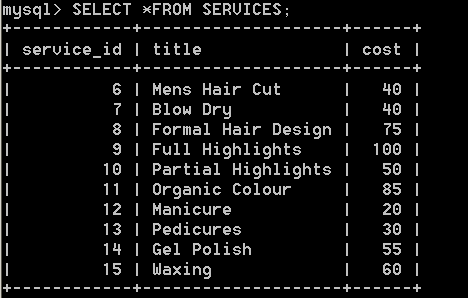
**COMMAND**

create table services(service\_id int primary key auto\_increment, title varchar(50),cost float);

**STRUCTURE**



**DATA**

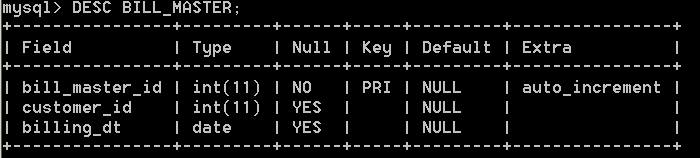


**BILL MASTER**

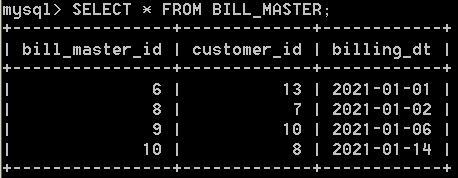
**COMMAND**

create table bill\_master(bill\_master\_id int primary key auto\_increment, customer\_id int, billing\_dt date);

**STRUCTURE**



**DATA**

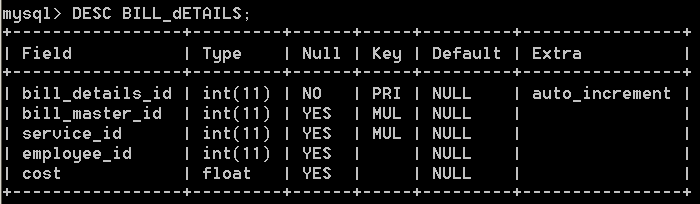


**BILL DETAILS**

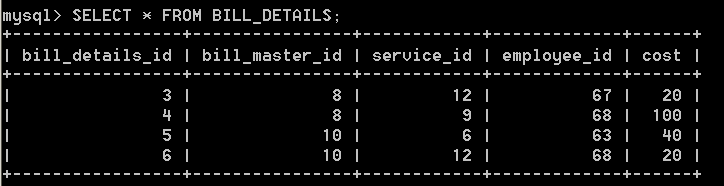
**COMMAND**

create table bill\_details(bill\_detail\_id int primary key auto\_increment, bill\_master\_id int, service\_id int, employee\_id int,foreign key(bill\_master\_id) references bill\_master(bill\_master\_id),foreign key(service\_id) references services(service\_id));

**STRUCTURE**



**DATA**



**PYTHON MODULES**

* USERS MODULE
* EMPLOYEES
* ITEMS
* CUSTOMERS
* BILL MASTER
* BILL DETAILS

**USERS**

import mysql.connector

def **insert**(user\_name,password):

con=mysql.connector.connect(host="localhost",

user="root",password="students",database="dbsaloon")#for connection

cursor=con.cursor();

query="insert into users(user\_name,password) values ('"+user\_name+"','"+password+"')"

cursor.execute(query)

con.commit()

print("RECORD INSERTED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **delete**(user\_id):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

query=("delete from users where user\_id='" +user\_id+"'")

cursor=con.cursor();

cursor.execute(query)

con.commit()

print("RECORD DELETED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **update**(user\_name,password):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

query="update users set password ='"+password+"' where user\_name='"+user\_name+"' "

cursor=con.cursor()

cursor.execute(query)

con.commit()

print("PASSWORD CHANGED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from users "

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("User Id=",row[0])

print("User Name=",row[1])

print("Password=",row[2],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **login**():

user\_name=input("Enter Username: ")

password=input("Enter Password: ")

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

query="select \* from users where user\_name='"+user\_name+"' and password='"+ password+"' "

cursor=con.cursor()

cursor.execute(query)

records=cursor.fetchall()

if(len(records)>0):

return 1

else :

print("Invalid username/password")

login()

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(user\_name):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from users where user\_name like'"+user\_name+"%"+"'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("User Id=",row[0])

print("User Name=",row[1])

print("Password=",row[2],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

**EMPLOYEES**

import mysql.connector

def **insert**(emp\_code,emp\_name,address,phone\_no):

con=mysql.connector.connect(host="localhost",

user="root",password="students",database="dbsaloon")#for connection

cursor=con.cursor();

query="insert into employees(emp\_code,emp\_name, address,phone\_no) values ('"+emp\_code+"','"+ emp\_name+"','"+address+"','"+phone\_no+"')"

cursor.execute(query)

con.commit()

print("RECORD INSERTED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **delete**(employee\_id):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

query=("delete from employees where employee\_id=' "+str(employee\_id)+" ' ")

cursor=con.cursor();

cursor.execute(query)

con.commit()

print("RECORD DELETE SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **update**(employee\_id,emp\_code="", emp\_name="" ,address="",phone\_no=""):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

query="";

if(emp\_name!="" and address!="" and phone\_no!=""):

query="update employees set emp\_name ='"+emp\_name+"',emp\_code='"+emp\_code+"' ,address='"+address+"', phone\_no='"+ phone\_no+"' where employee\_id= '"+employee\_id+"'"

elif(emp\_code!=""):

query="update employees set emp\_code ='"+emp\_code+"' where employee\_id='" +employee\_id+"'"

elif(emp\_name!=""):

query="update employees set emp\_name ='"+emp\_name+"' where employee\_id='"+employee\_id+"'"

elif(address!=""):

query="update employees set address ='"+address+"' where employee\_id='"+employee\_id+"'"

elif(phone\_no!=""):

query="update employees set phone\_no ='"+phone\_no+"' where employee\_id='"+employee\_id+"'"

cursor=con.cursor()

cursor.execute(query)

con.commit()

print("RECORDS CHANGED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(emp\_name):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from employees where emp\_name like '%"+emp\_name+"%'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Employee id=",row[0])

print("Emp Code=",row[1])

print("Emp Name=",row[2])

print("Address=",row[3])

print("Phone No=",row[4],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from employees"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Employee Id=",row[0])

print("Emp Code=",row[1])

print("Emp Name=",row[2])

print("Address=",row[3])

print("Phone No=",row[4],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

**ITEMS**

import mysql.connector

def **insert**(title,cost):

con=mysql.connector.connect(host="localhost",

user="root",password="students",database= "dbsaloon")

cursor=con.cursor();

query="insert into services(title,cost) values ('"+title+"','"+str(cost)+"')"

cursor.execute(query)

con.commit()

print("RECORD INSERTED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **delete**(service\_id):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

query=("delete from services where service\_id=' "+service\_id+" ' ")

cursor=con.cursor();

cursor.execute(query)

con.commit()

print("RECORD DELETE SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **update**(service\_id,title,cost):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

query="update services set title='"+title+"',cost='"+str(cost)+"' where service\_id='"+service\_id+"'"

cursor=con.cursor()

cursor.execute(query)

con.commit()

print("RECORDS CHANGED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from services"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Service Id=",row[0])

print("Title=",row[1])

print("Cost=",row[2],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(title):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

cursor=con.cursor()

query=" select \* from services where title like'%"+title+"%'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Service Id=",row[0])

print("Title=",row[1])

print("Cost=",row[2],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

**CUSTOMERS**

import mysql.connector

def **insert**(customer\_name,address,phone\_no):

con=mysql.connector.connect(host="localhost",

user="root",password="students",database="dbsaloon")

cursor=con.cursor();

query="insert into customer(customer\_name, address,phone\_no) values ('"+customer\_name+"', '"+address+"','"+phone\_no+"')"

cursor.execute(query)

con.commit()

print("RECORD INSERTED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **delete**(customer\_id):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

query=("delete from customer where customer\_id=' "+customer\_id+" ' ")

cursor=con.cursor();

cursor.execute(query)

con.commit()

print("RECORD DELETE SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **update**(customer\_id,customer\_name="", address="", phone\_no=""):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")

query="";

if(customer\_name!="" and address!="" and phone\_no!=""):

query="update customer set customer\_name ='"+customer\_name+"', address='"+address+"', phone\_no='"+phone\_no+"' where customer\_id='"+customer\_id+"'"

elif(customer\_name!=""):

query="update customer set customer\_name ='"+customer\_name+"' where customer\_id='"+customer\_id+"'"

elif(address!=""):

query="update customer set address='"+address+"' where customer\_id='"+customer\_id+"'"

elif(phone\_no!=""):

query="update customer set phone\_no='"+phone\_no+"' where customer\_id='"+customer\_id+"'"

cursor=con.cursor()

cursor.execute(query)

con.commit()

print("RECORDS CHANGED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

cursor=con.cursor()

query=" select \* from customer"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Customer's Id=",row[0])

print("Customer Name=",row[1])

print("Address=",row[2])

print("Phone\_no=",row[3],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(customer\_name):

con=mysql.connector.connect(host="localhost",user="root",password="students",database="dbsaloon")#for connection

cursor=con.cursor()

query=" select \* from customer where customer\_name like '%"+customer\_name+"%"+"'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Customers's Id=",row[0])

print("Customer Name=",row[1])

print("Address=",row[2])

print("Phone No=",row[3],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

**BILL MASTER**

import mysql.connector

import datetime;

import customers;

import bill\_details;

def **insert**(customer\_id):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor();

query="insert into bill\_master(customer\_id,billing\_dt) values ('"+str(customer\_id)+"','"+str(datetime.date.today()) +"')"

cursor.execute(query)

bill\_master\_id=str(cursor.lastrowid);

con.commit()

cursor.close()

if(con.is\_connected()):

con.close()

return bill\_master\_id;

def **delete**(bill\_master\_id):

con=mysql.connector.connect(host="localhost",user="root", password="students", database="dbsaloon")

cursor=con.cursor();

query="delete from bill\_master where bill\_master\_id="+ str(bill\_master\_id)+""

cursor.execute(query)

con.commit()

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor()

query="select bill\_master\_id,bill\_master.customer\_id, billing\_dt,customer\_name from bill\_master inner join customer on customer.customer\_id= bill\_master.customer\_id"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Bill Master Id=",row[0])

print("Customer Id",row[1])

print("Billing Date",row[2])

print("Customer Name:",row[3],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(customer\_id):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor()

query="select bill\_master\_id,bill\_master.customer\_id, billing\_dt,customer\_name from bill\_master inner join customer on customer.customer\_id= bill\_master.customer\_id where bill\_master.customer\_id like'%"+customer\_id+"%'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Bill Master Id:=",row[0])

print("Customer Id:",row[1])

print("Billing Date:",row[2])

print("Customer Name:",row[3],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **GenerateReport**():

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor()

print("1--------------------Generate Report By Bill Date")

print("2--------------------Generate Report By Customer")

print("3--------------------Get All Bills")

query=""

ch=input("Enter Your Choice:")

if(ch=="1"):

billing\_dt=input("Enter Billing Date: ")

query="select bill\_master\_id,billing\_dt,customer\_name from bill\_master inner join customer on customer.customer\_id=bill\_master.customer\_id where billing\_dt='"+billing\_dt+"'"

elif(ch=="2"):

customer\_name=input("Search Customer: ")

customers.search(customer\_name)

customer\_id=input("Enter Customer Id:")

query="select bill\_master\_id,billing\_dt,customer\_name from bill\_master inner join customer on customer.customer\_id=bill\_master.customer\_id where bill\_master.customer\_id ='"+customer\_id+"'"

elif(ch=="3"):

query="select bill\_master\_id,billing\_dt,customer\_name from bill\_master inner join customer on customer.customer\_id=bill\_master.customer\_id"

else:

print("Invalid Choice")

GenerateReport()

cursor.execute(query)

records=cursor.fetchall()

if(len(records)<1):

print("No Record Found")

GenerateReport()

for row in records:

print("Bill Id=",row[0],"\nCustomer Name:",row[2],"\n Billing date", row[1], "\n")

bill\_details.GetByBillMasterId(row[0])

cursor.close()

if(con.is\_connected()):

con.close()

**BILL DETAILS**

import mysql.connector

import datetime;

def **insert**(bill\_master\_id,service\_id,employee\_id,cost):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor();

query="insert into bill\_details(bill\_master\_id,service\_id,employee\_id,cost) values ('"+str(bill\_master\_id)+"','"+str(service\_id)+"', '"+str(employee\_id)+"','"+str(cost)+"')"

cursor.execute(query)

con.commit()

print("RECORD INSERTED SUCCESSFULLY")

cursor.close()

if(con.is\_connected()):

con.close()

def **delete**(bill\_master\_id):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor();

query="delete from bill\_details where bill\_master\_id="+str(bill\_master\_id)+""

cursor.execute(query)

con.commit()

cursor.close()

if(con.is\_connected()):

con.close()

def **search**(bill\_master\_id):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor()

query="select \* from bill\_details where bill\_master\_id like'%"+bill\_master\_id+"%'"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Bill Details Id:",row[0])

print("Bill Master Id:",row[1])

print("Service Id:",row[2])

print("Employee Id:",row[3],"\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **GetByBillMasterId**(bill\_master\_id):

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor();

query="select b.title,a.cost,e.emp\_name from bill\_details a inner join services b on a.service\_id=b.service\_id inner join employees e on e.employee\_id=a.employee\_id where a.bill\_master\_id="+str(bill\_master\_id)+""

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Item=",row[0], "\nCost:",row[1],"----------Done By=",row[2], "\n")

cursor.close()

if(con.is\_connected()):

con.close()

def **getall**():

con=mysql.connector.connect(host="localhost", user="root",password="students", database="dbsaloon")

cursor=con.cursor()

query="select \* from bill\_details"

cursor.execute(query)

records=cursor.fetchall()

for row in records:

print("Bill Details Id:",row[0])

print("Bill Master Id:",row[1])

print("Service Id:",row[2])

print("Employee Id:",row[3],"\n")

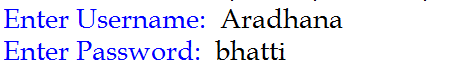
cursor.close()

if(con.is\_connected()):

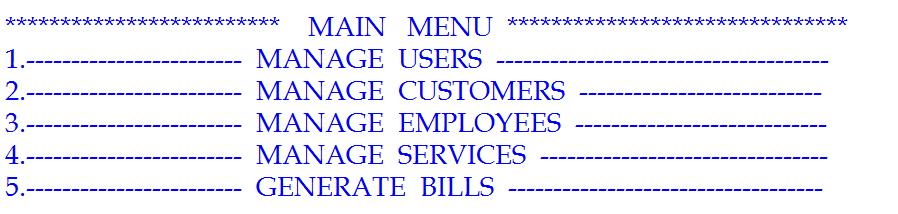
con.close()

**SCREEN SHOTS**

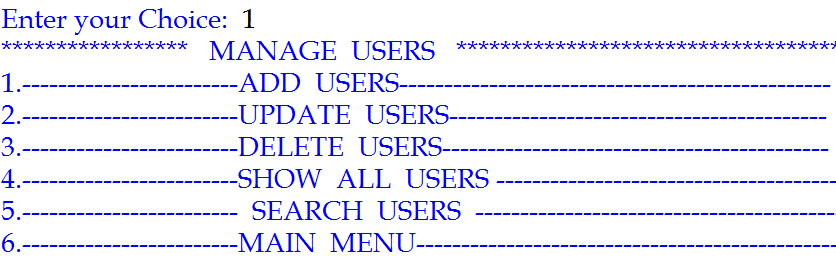
**LOGIN**



**MAIN MENU**



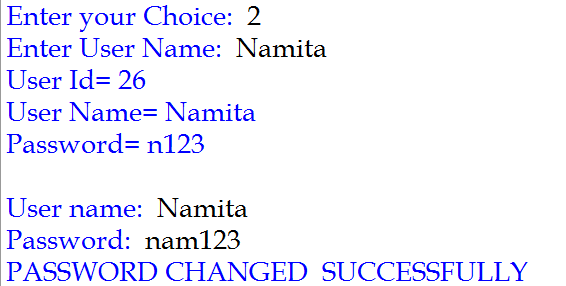
**MANAGE USERS**



***ADD USERS***



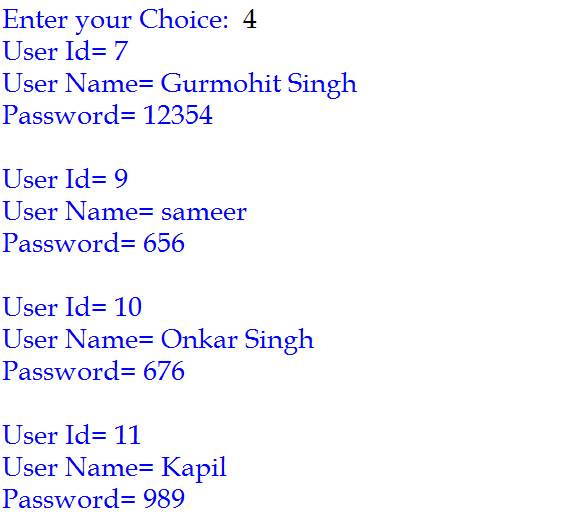
***UPDATE USERS***



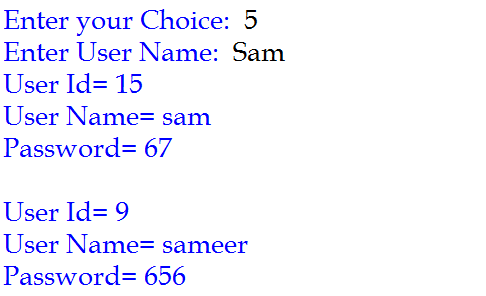
***DELETE USERS***



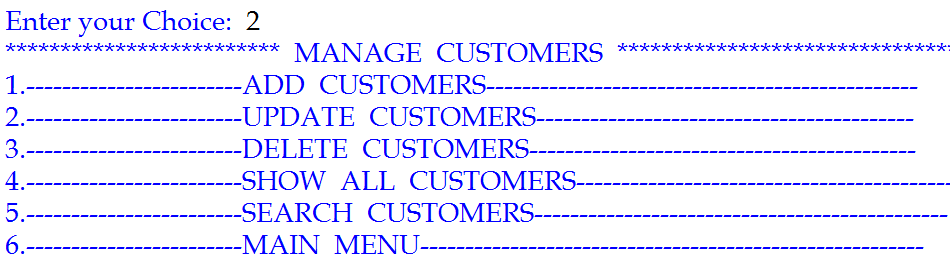
***SHOW ALL USERS***

******

***SEARCH USERS***



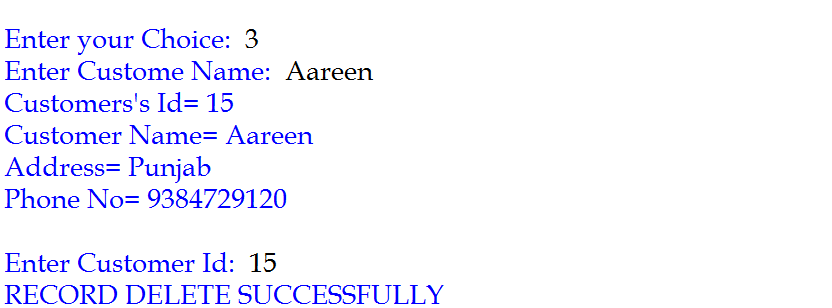
**MANAGE CUSTOMERS**



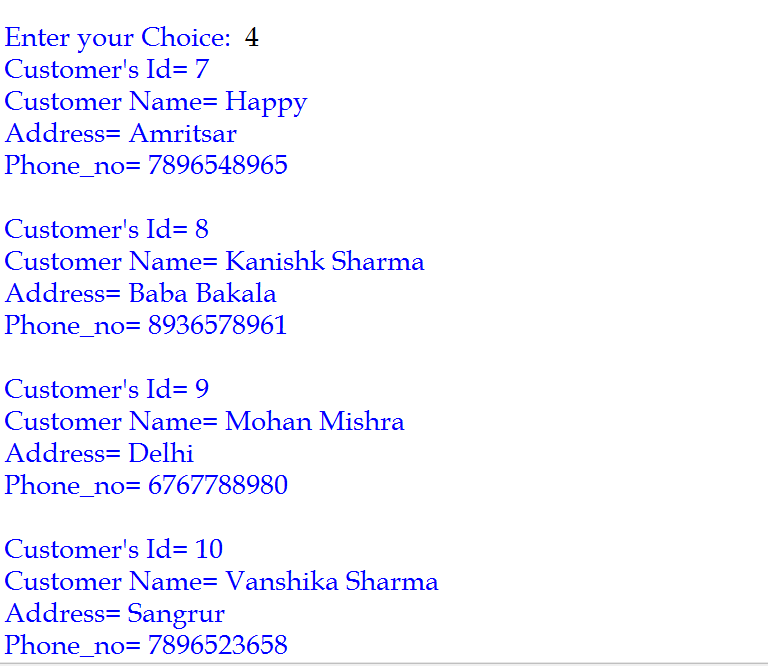
***ADD CUSTOMERS***



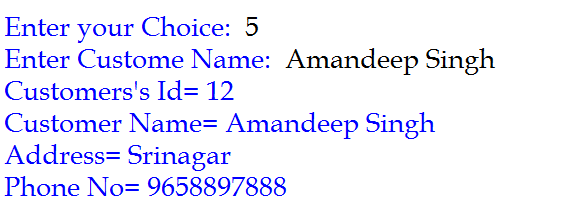
***DELETE CUSTOMER***



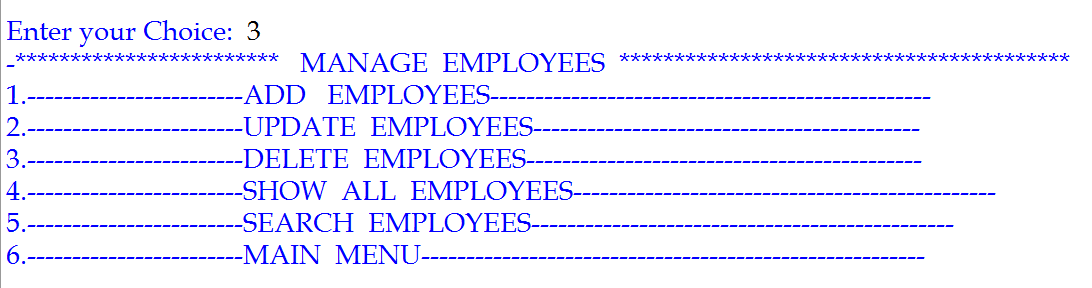
***SHOW ALL CUSTOMERS***



***SEARCH CUSTOMERS***



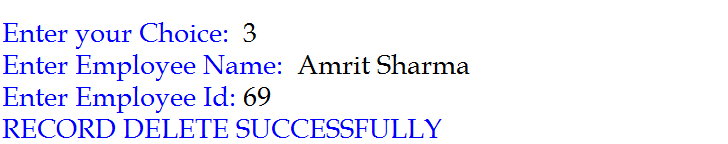
**MANAGE EMPLOYEES**

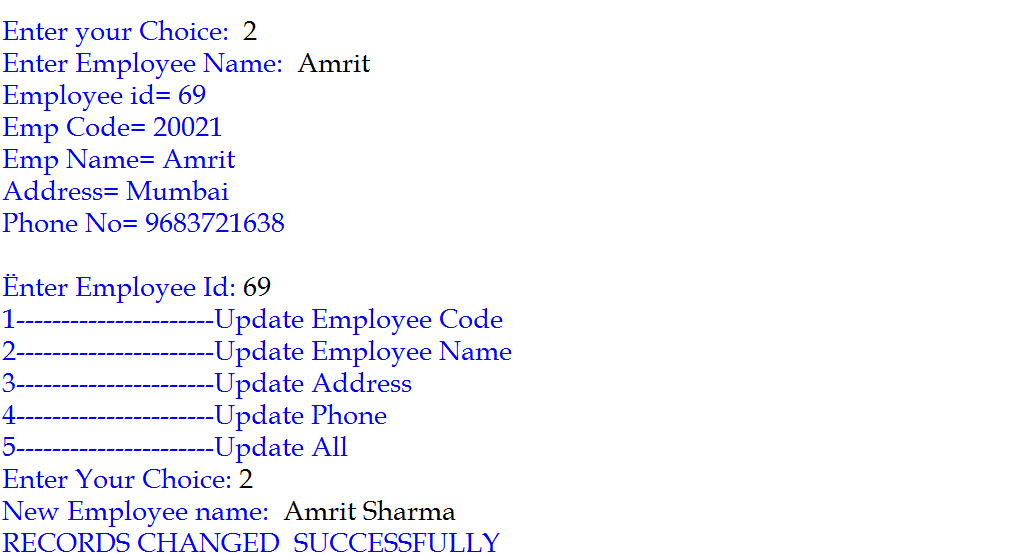


***ADD EMPLOYEES***



***DELETE EMPLOYEES***

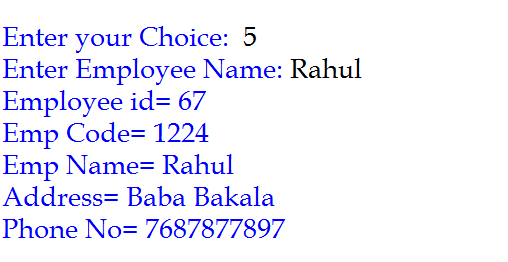


***UPDATE EMPLOYEES***

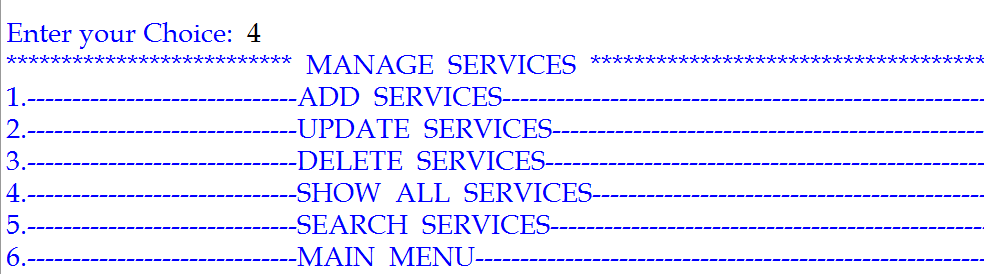
***SHOW ALL EMPLOYEES***



***SEARCH EMPLOYEES***



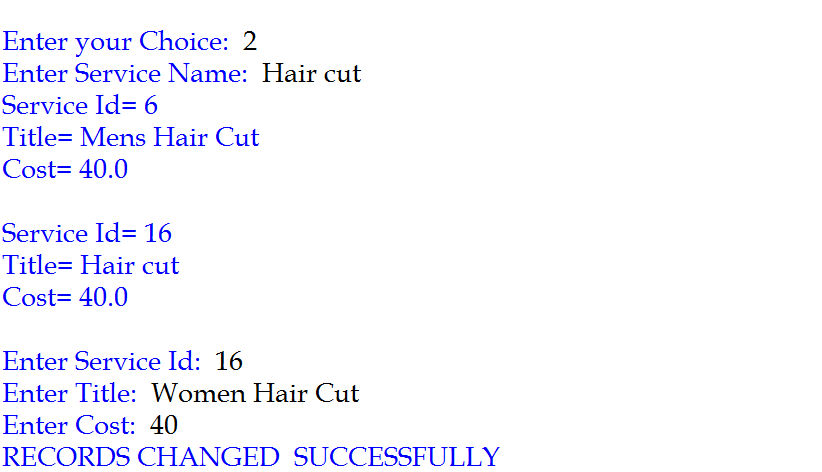
**MANAGE SERVICES**



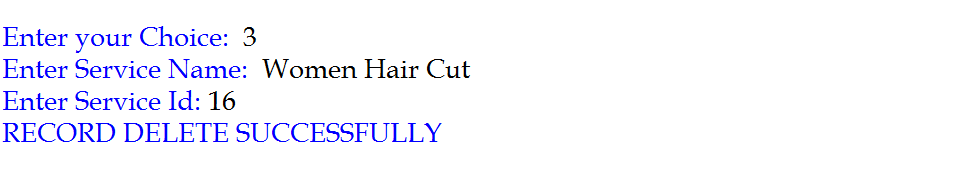
***ADD SERVICES***



***UPDATE SERVICES***



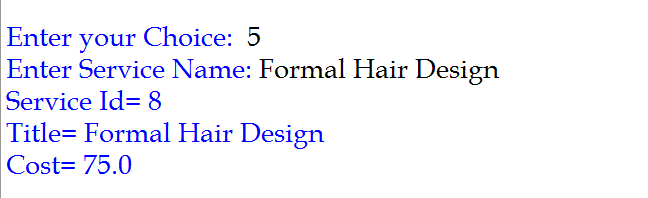
***DELETE SERVICES***



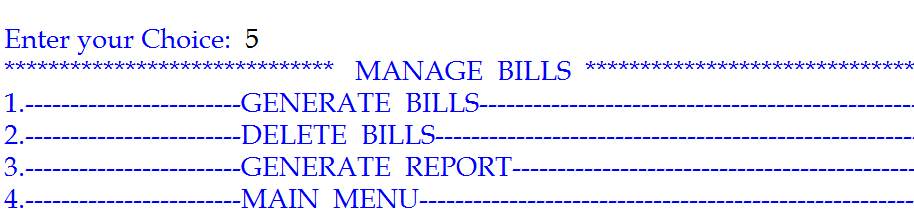
***SHOW ALL SERVICES***



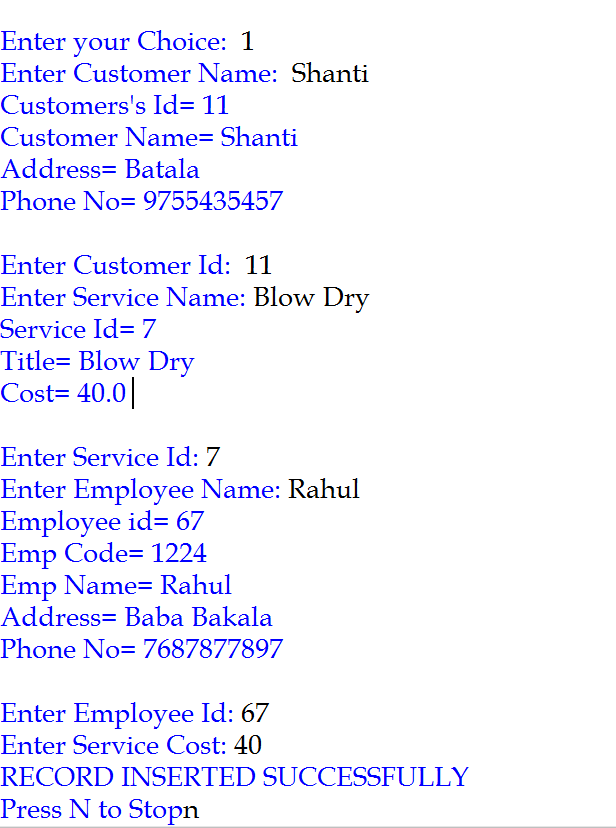
***SEARCH SERVICES***



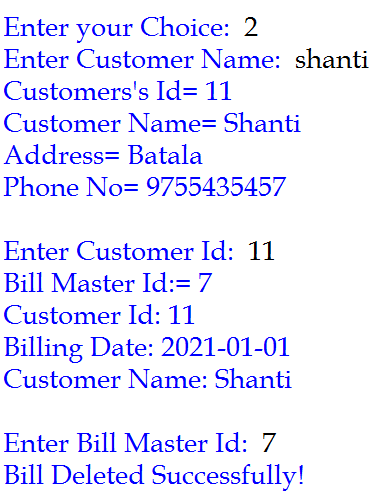
**MANAGE BILLS**



***GENERATE BILLS***

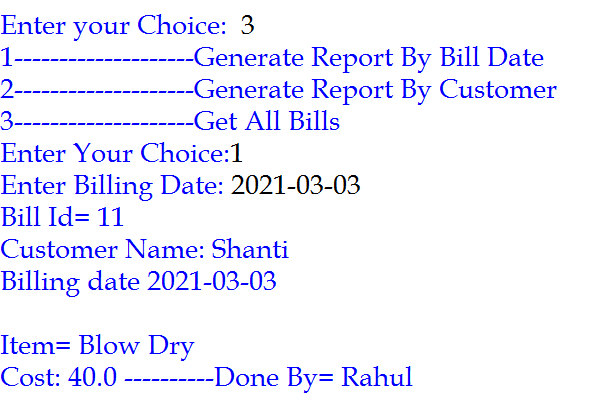


***DELETE BILLS***



***GENERATE REPORT***





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**THANKS**