**DENTAL MANAGEMENT SYSTEM**

**SOURCE CODE**

importmysql.connector

import tabulate

fromdatetime import date

import random

print("\*"\*86)

print("\*"\*30,"DENTAL MANAGEMENT SYSTEM","\*"\*30)

print("\*"\*86)

#Login details

Username=input("Enter Username: ")

Password=int(input("Enter Password: "))

while True:

if Username=='Admin' and Password==12345:

print("Dental Management Dashboard")

print("1.Staff")

print("2.Patient")

print("3.Invoice")

print("4.Reports")

choice=int(input("Choose the field: "))

while True:

if choice==1:

print("STAFF DASHBOARD")

print("1.Create Staff")

print("2.Manage Staff")

choice2=int(input("Type 1 for creation and type 2 for management of staff: "))

if choice2==1:

StaffID=int(input("Staff ID: "))

print("\*"\*10,"CREATE STAFF","\*"\*10)

Name=input("Name: ")

Age=input("Age: ")

Address=input("Address: ")

EmailID=input("EmailID: ")

Mobile=input("Mobile number: ")

print("Data Entered successfully")

sqlCon=mysql.connector.connect(host='localhost',user='root',password='root',database='dental')

cur =sqlCon.cursor()

cur.execute("insert into Staff values('{}','{}','{}','{}','{}','{}')".format(StaffID,Name, Age, Address,EmailID,Mobile ))

sqlCon.commit()

sqlCon.close()

if choice2==2:

StaffID=int(input("Enter StaffID to proceed: "))

print("\*"\*10,"UPDATE STAFF","\*"\*10)

Name=input("Name: ")

Age=input("Age: ")

Address=input("Address: ")

EmailID=input("EmailID: ")

Mobile=input("Mobile number: ")

print("Record Updated Successfully")

sqlCon = mysql.connector.connect(host ="localhost",user="root",password="root",database="dental")

cur = sqlCon.cursor()

cur.execute("update Staff set Name=%s,Age=%s,Address=%s,EmailID=%s,Mobile=%s where StaffID=%s",( Name, Age, Address,EmailID, Mobile,StaffID ))

sqlCon.commit()

sqlCon.close()

if choice==2:

print("PATIENT RECORD")

print("1.Create Patient")

print("2.Manage Patient")

choice2=int(input("Type 1 for creation and type 2 for management of Patient: "))

if choice2==1:

Name=input("Name: ")

Age=input("Age: ")

Address=input("Address: ")

EmailID=input("EmailID: ")

Mobile=input("Mobile number: ")

print("Data Entered successfully")

sqlCon=mysql.connector.connect(host='localhost',user='root',password='root',database='dental')

cur =sqlCon.cursor()

cur.execute("insert into Patient values('{}','{}','{}','{}','{}')".format, Name, Age, Address,EmailID,Mobile ))

sqlCon.commit()

sqlCon.close()

if choice2==2:

Mobile=input("Enter Mobile to proceed: ")

print("\*"\*10,"UPDATE PATIENT","\*"\*10)

Name=input("Name: ")

Age=input("Age: ")

Address=input("Address: ")

EmailID=input("EmailID: ")

print("Record Updated Successfully")

sqlCon = mysql.connector.connect(host ="localhost",user="root",password="root",database="dental")

cur = sqlCon.cursor()

cur.execute("update Patient set Name=%s,Age=%s,Address=%s,EmailID=%s where Mobile=%s",( Name ,Age,Address,EmailID,Mobile))

sqlCon.commit()

sqlCon.close()

if choice==3:

Name2=input("Enter your name: ")

Address2=input("Enter your Address: ")

Phone=input("Enter your phone number: ")

print("\*"\*10,"Service Details","\*"\*10)

print("Description: \

1.Replacement of missing teeth \

2.Cavity Filling \

3.Teeth Whitening or Bleaching \

4.Orthodontic Treatment \

5.Cosmetic Procedures \

")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*INVOICE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("Bill from: \

RSK DENTAL CLINIC")

print("Bill to: ")

print("Name: ",Name2)

print("Address: ",Address2)

print("Phone Number: ",Phone)

desc=int(input("Enter your choice: "))

ifdesc==1:

print("Description: 1.Replacement of missing teeth")

a=1200

print("Appointment time: ")

start\_dt = date.today().replace(day=1, month=1).toordinal()

end\_dt = date.today().toordinal()

random\_day = date.fromordinal(random.randint(start\_dt, end\_dt))

print(random\_day)

print("Price= ",a)

elifdesc==2:

print("Description: 2.Cavity Filling")

a=1500

print("Appointment time: ")

start\_dt = date.today().replace(day=1, month=1).toordinal()

end\_dt = date.today().toordinal()

random\_day = date.fromordinal(random.randint(start\_dt, end\_dt))

print(random\_day)

print("Price= ",a)

elifdesc==3:

print("Description: 3.Teeth Whitening or Bleaching")

a=2500

print("Appointment time: ")

start\_dt = date.today().replace(day=1, month=1).toordinal()

end\_dt = date.today().toordinal()

random\_day = date.fromordinal(random.randint(start\_dt, end\_dt))

print(random\_day)

print("Price= ",a)

elifdesc==4:

print("Description: 4.Orthodontic Treatment")

a=3000

print("Appointment time: ")

start\_dt = date.today().replace(day=1, month=1).toordinal()

end\_dt = date.today().toordinal()

random\_day = date.fromordinal(random.randint(start\_dt, end\_dt))

print(random\_day)

print("Price= ",a)

elifdesc==5:

print("Description: 5.Cosmetic procedures")

a=5000

print("Appointment time: ")

start\_dt = date.today().replace(day=1, month=1).toordinal()

end\_dt = date.today().toordinal()

random\_day = date.fromordinal(random.randint(start\_dt, end\_dt))

print(random\_day)

print("Total= ",a)

else:

print("Sorry Service not provided")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*THANK YOU VISIT AGAIN\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

if choice==4:

print("\*"\*10,"REPORTS","\*"\*10)

print("1.View Staff Reports")

print("2.View Patient Reports")

choice3=int(input("Type 1 for creation and type 2 for management of Patient: "))

if choice3==1:

sqlCon=mysql.connector.connect(host='localhost',user='root',password='root',database='dental')

cur =sqlCon.cursor()

query="select\*from staff"

cur.execute(query)

result=cur.fetchall()

row=['StaffID','Name','Age','Address','EmailID','Mobile']

for row in result:

print(row)

sqlCon.commit()

sqlCon.close()

if choice3==2:

sqlCon=mysql.connector.connect(host='localhost',user='root',password='root',database='dental')

cur =sqlCon.cursor()

query="select\*from patient"

cur.execute(query)

result=cur.fetchall()

row=['Name','Age','Address','EmailID','Mobile']

for row in result:

print(row)

sqlCon.commit()

sqlCon.close()if choice3==1:

sqlCon=mysql.connector.connect(host='localhost',user='root',password='root',database='dental')

cur =sqlCon.cursor()

query="select\*from staff"

cur.execute(query)

result=cur.fetchall()

row=['StaffID','Name','Age','Address','EmailID','Mobile']

for row in result:

print(row)

sqlCon.commit()

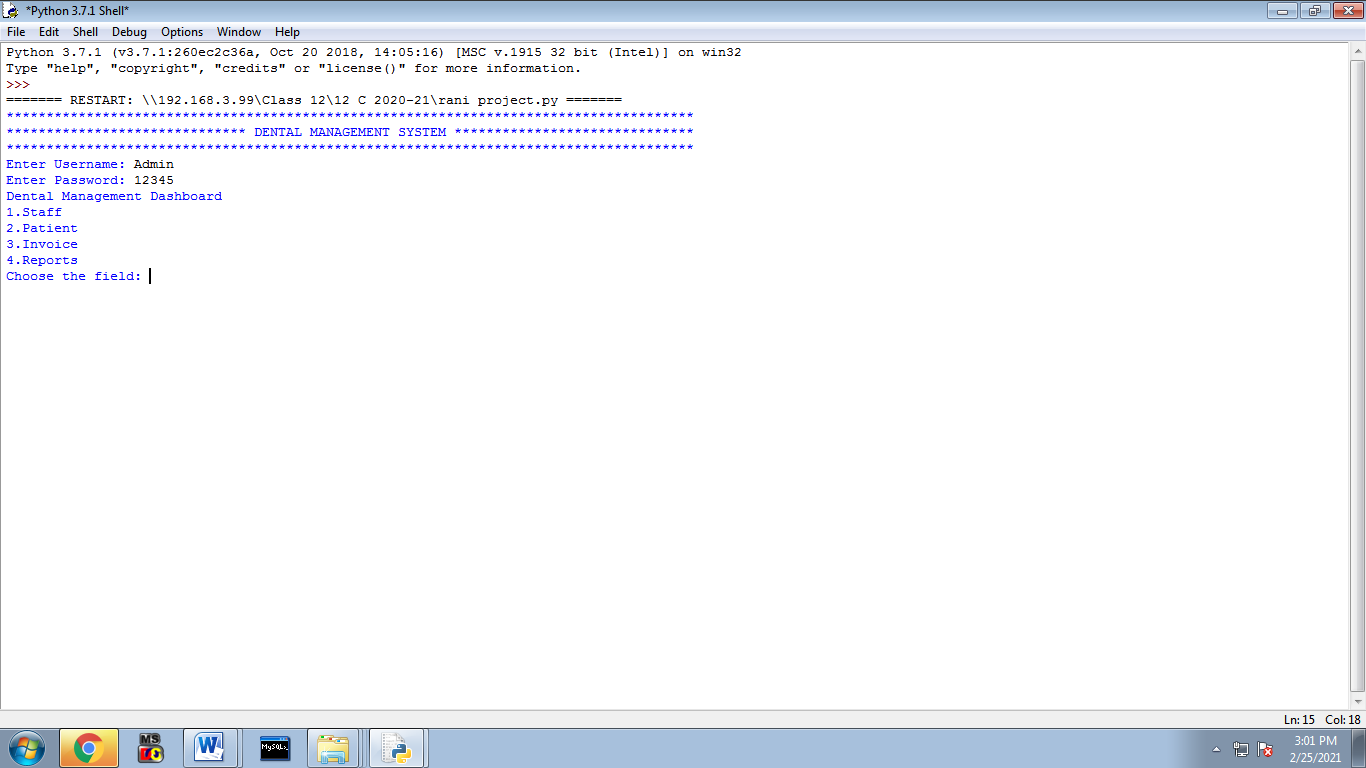
sqlCon.close()

else:

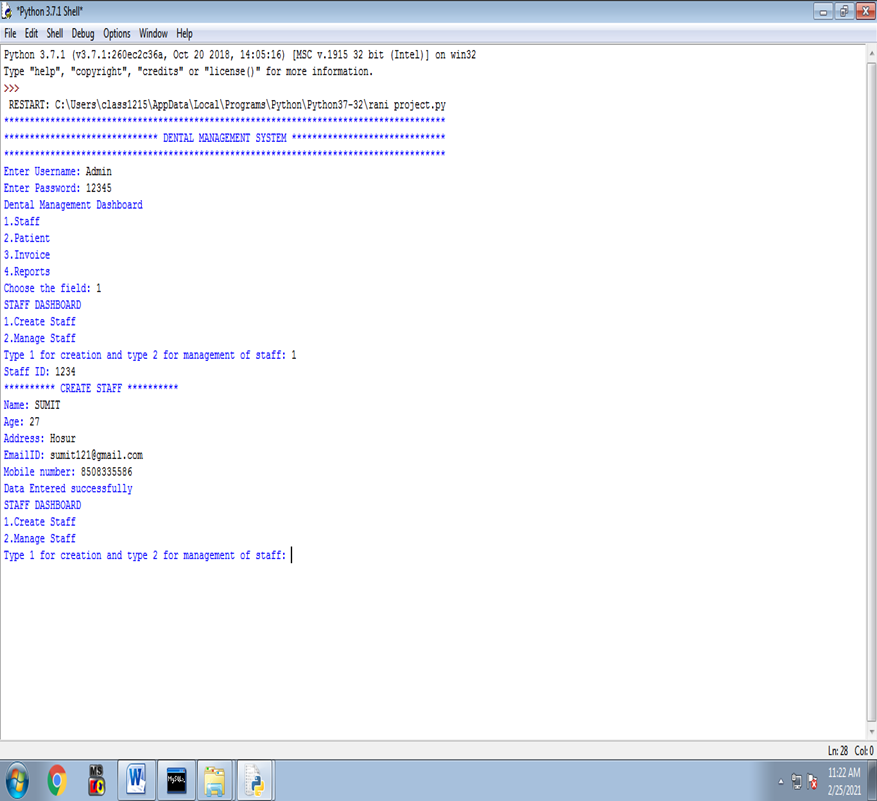
print("Enter Valid Details")

**OUTPUT**

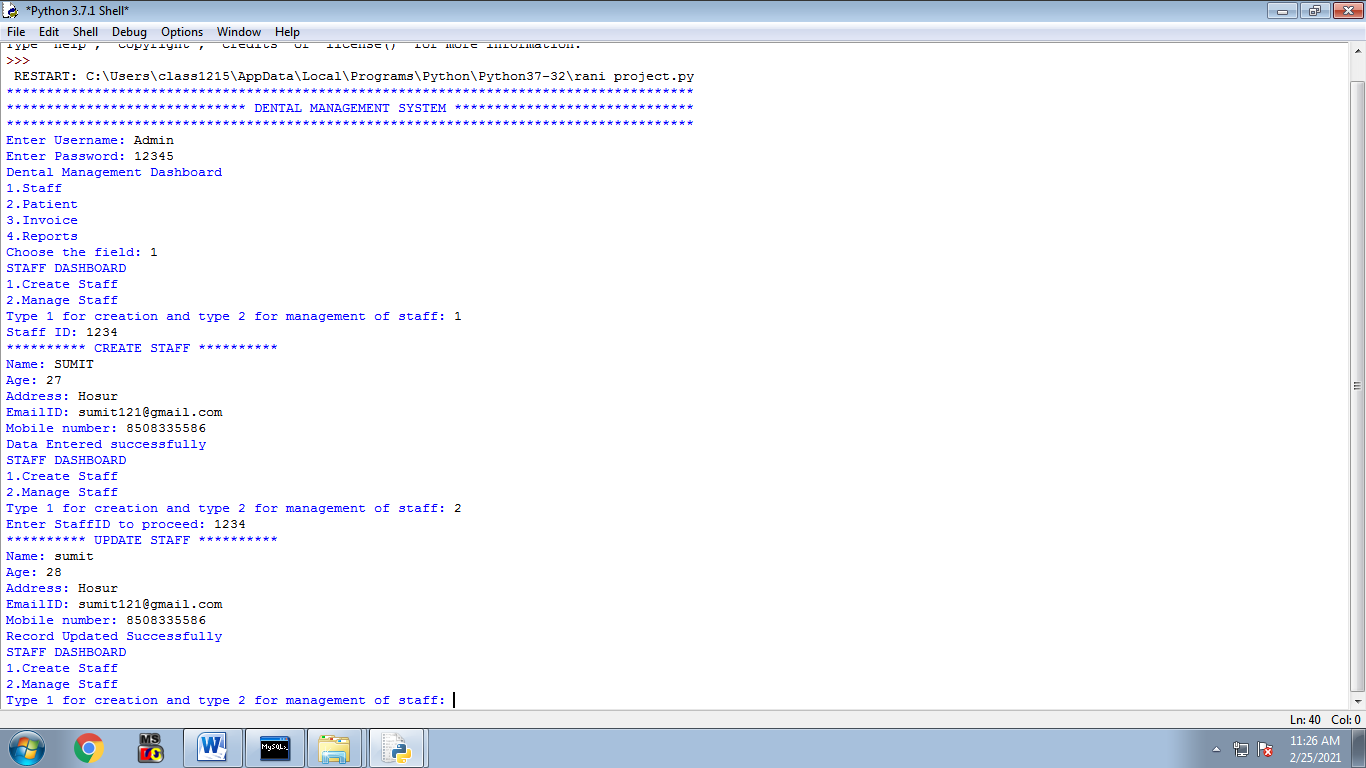
**ENTERING WITH USERNAME AND PASSWORD**:



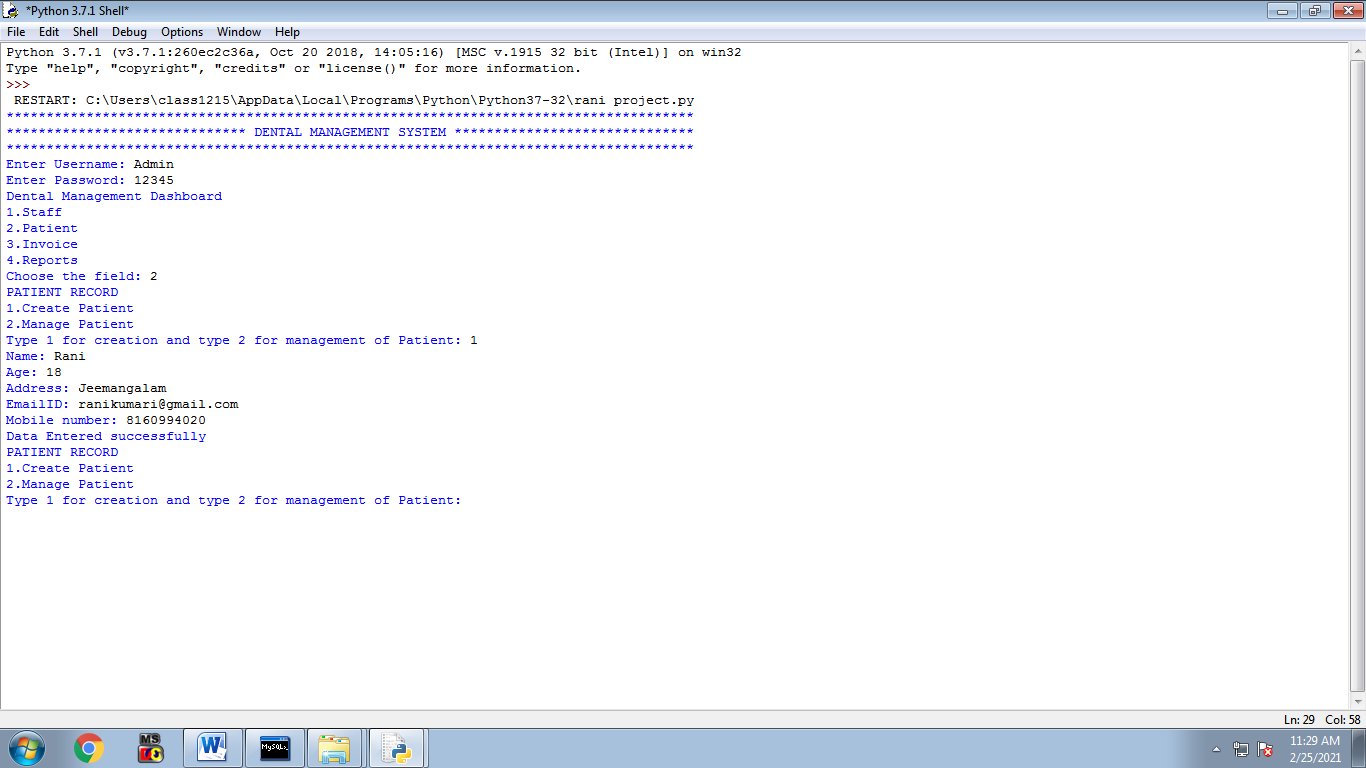
**TO CREATE STAFF:**



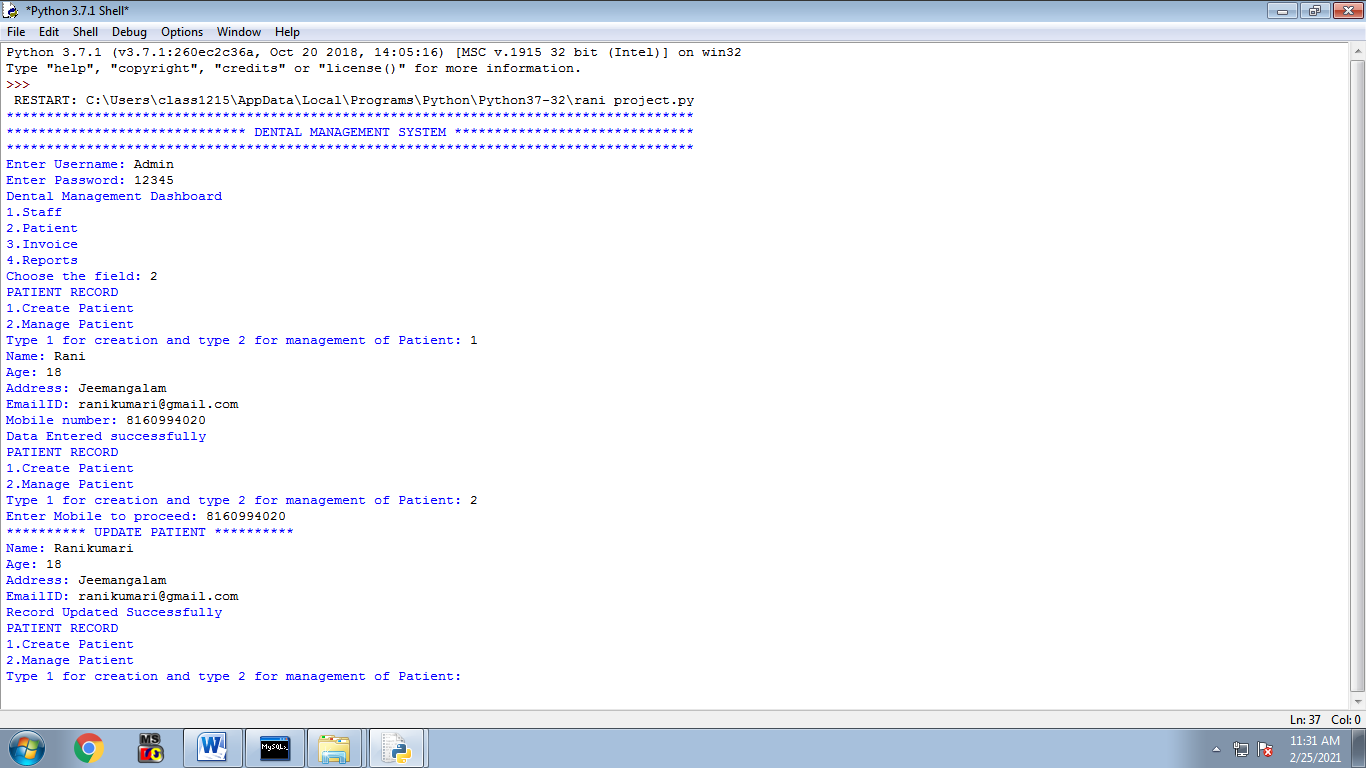
**To manage staff: Update staff:**



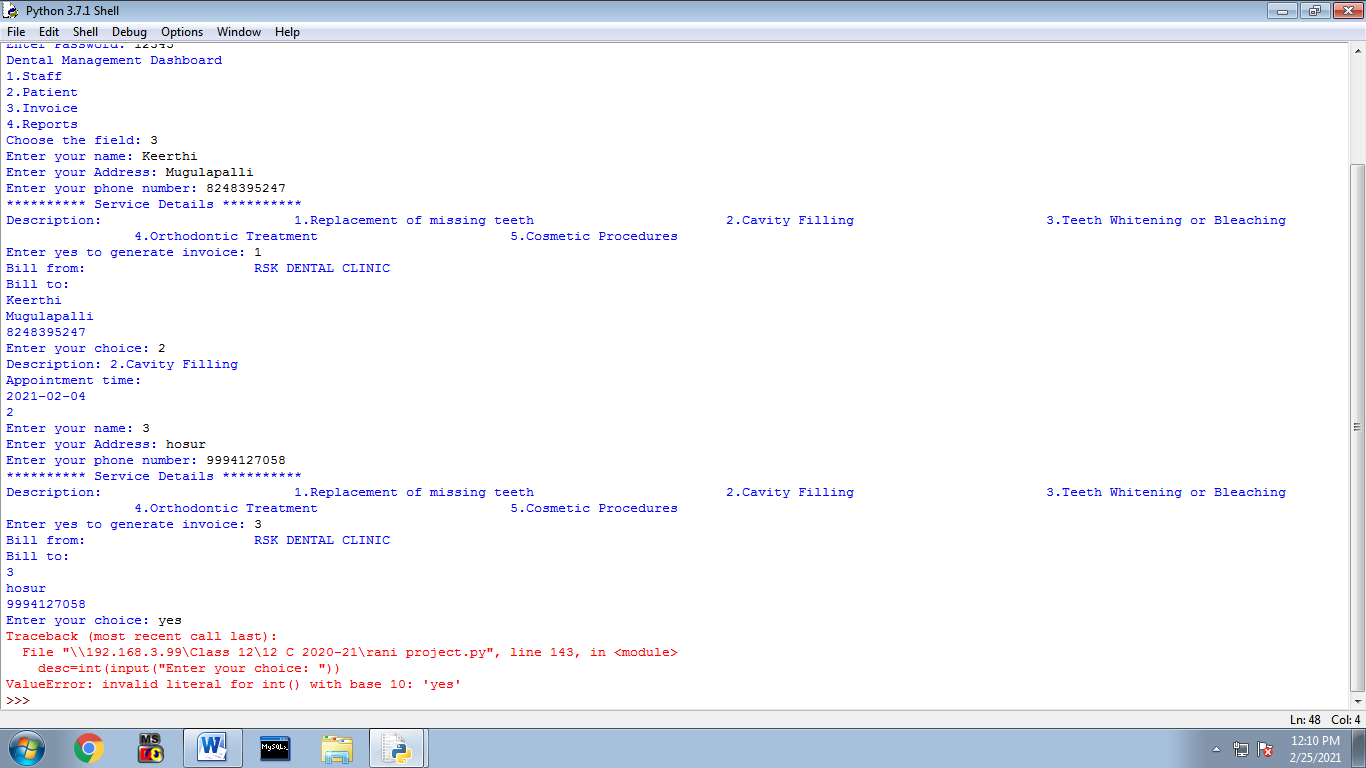
**To create patient:**

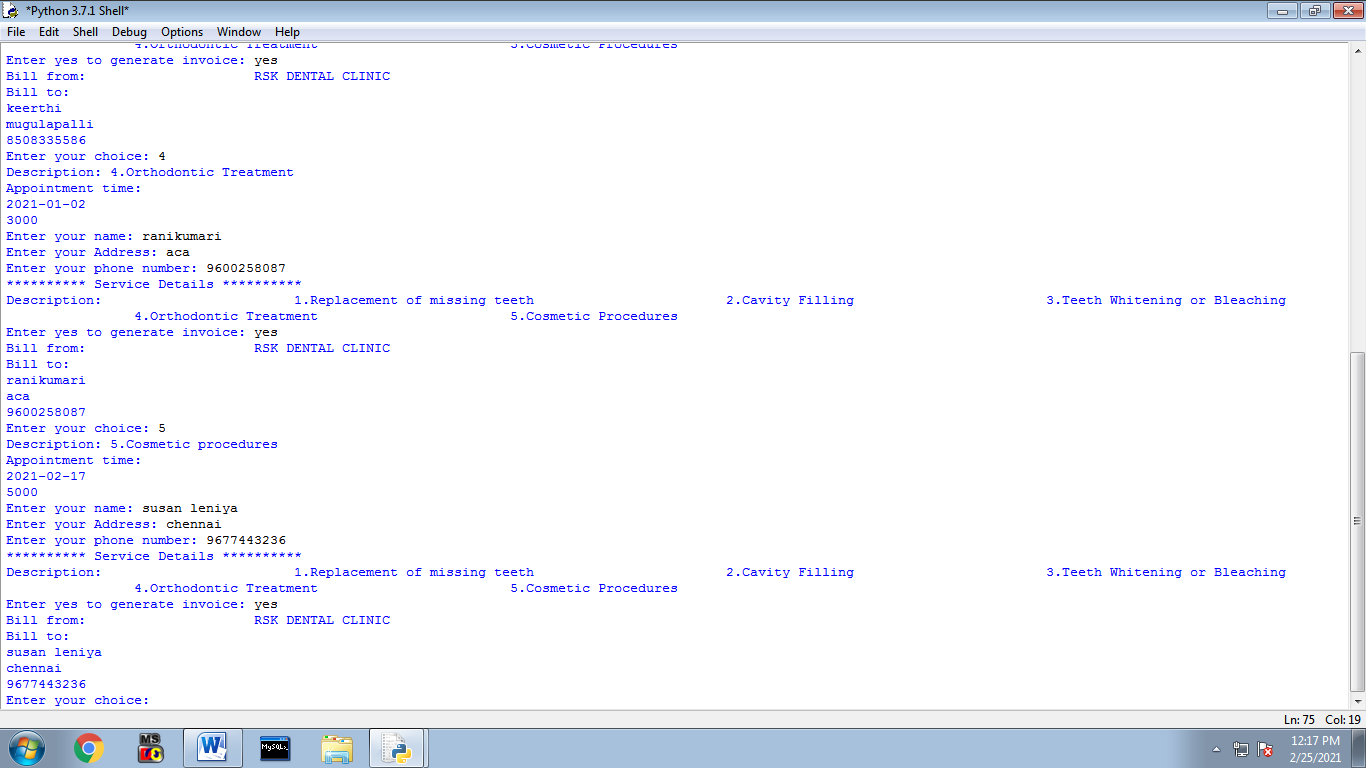


**To manage patient: Update patient**



**To generate invoice:**





**BIBILIOGRAPHY**

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Computer Science with python by Sumitra Arora

Computer Science with python by Preeti Arora

Websites:

<https://en.wikipedia.org/>

<https://python.mykvs.in/>

<https://www.geeksforgeeks.org/>