**SRI DASMESH SCHOOL**

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A PROJECT FILE

ON

**SHOE BILLING SYSTEM**

**BASED ON**

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**SESSION- 2022-2023**

**SUBJECT- INFORMATION PRACTICES**

Team Members – Gurpreet Kaur Naveta Sharma Harshneet Kaur

**Submitted By- GURPREET KAUR**

**CERTIFICATE**

This is to certify that the project report here has been carried out independently by Gurpreet Kaur under the guidance of Mr. Lalit Mohan Bhandari as a project in class XII and is her original and bonified work.

INTERNAL EXAMINER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EXTERNAL EXAMINER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ACKNOWLEDGMENT**

Primarily I would thank God for being able to complete this project with success. Then I would be thankful to my teacher Mr. Lalit Mohan Bhandari, whose valuable guidance has been the one that helped me patch this project and make it full proof of success, his suggestions, and his instruction served as a major contribution towards the completion of the project.

Then I would like to thank my parents and friends who have helped me with their valuable suggestions and, guidance has been helpful in various phases of the completion of the project.

Lastly, I would like to thank my classmates who helped me a lot regarding the same.

Gurpreet Kaur

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**SHOE BILLING SYSTEM**

**Introduction**

This project is based on the way in which the billing is done in the stores here it is the shoe billing system. This is helpful for the owners to maintain the list of the­­­ sales done on the day or in a year and also helpful in calculating the profit and customer details.

**Objective**

The objective of this project is to let the students apply their programming knowledge to a real-world situation or problem and exposed the students to how programming skills help in developing good software.

1. Write programs utilizing modern software tools.
2. Apply object-oriented programming principles effectively when developing small to medium-sized projects.
3. Write effective procedural code to solve small to medium-sized problems.
4. Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of system, theory, and software development.
5. Students will demonstrate the ability to conduct research or applied Computer science projects, requiring writing and presentation skills that exemplify scholarly style computer science.

**Code Description**

The software is designed to keep a billing record of a shoe-selling store. Firstly, I have created a python file connected with MySQL to create a database named shoe\_billing\_system and its tables (staff and invoices). I have also inserted values for the staff table as credentials for login activity in the program.

Secondly, I have made another python MySQL-connected file for program coding. This file consists of code for logging in to the program, creating a new invoice, showing every data in the invoices table, selecting data by customer name, selecting data by Bill number, and Exit the program.

All the work and programming are done in Python.

All the data will be stored in the MySQL database.

**Coding**

The code used by me is mentioned below:-

**The first file (database creation for SHOE BILLING SYSTEM.py)**

import mysql.connector as sql

conn = sql.connect(

host="localhost",

user="root",

password="100821"

)

if conn.is\_connected():

print("Connection Successfull")

conn.cursor().execute("CREATE DATABASE shoe\_billing\_system")

print("Database Created")

conn.cursor().execute("USE shoe\_billing\_system")

conn.cursor().execute('create table staff(emp\_id int, emp\_name varchar(75), password varchar(15))')

print("Staff table created")

conn.cursor().execute("CREATE TABLE invoices (bill\_no INT AUTO\_INCREMENT PRIMARY KEY, cust\_name VARCHAR(50), item\_name VARCHAR(255), qnt int, price int, pur\_date DATE, t\_price int, phone bigint)")

print("Invoices table created")

conn.cursor().execute("insert into staff values(2111,'Gurpreet Kaur','10082021')")

conn.commit()

print("Account Created")

**The second file (GURPREET SHOE BILLING SYSTEM.py)**

import mysql.connector as sql

conn=sql.connect(host="localhost", user="root", passwd="100821", database="shoe\_billing\_system")

mycursor=conn.cursor()

if conn.is\_connected():

print("Conection With Database Establised Successfully")

else:

print("Conection With Database Failed")

print("Welcome to GURPREET'S SHOE BILLING SYSTEM")

c1=conn.cursor()

choice = 0

while choice != 2:

print("1. EMPLOYEE LOGIN")

print("2. EXIT")

choice=int(input("ENTER YOUR CHOICE:"))

if choice==1:

print('')

print('Enter your Credentials')

emp\_name=input('Enter your name: ')

print('')

emp\_id=int(input('Enter your employee Identity Number:'))

print(' ')

password=input('Enter your Password: ')

print(' ')

c1=conn.cursor()

c1.execute('select \* from staff')

data=c1.fetchall()

count=c1.rowcount

for row in data:

if (emp\_name in row) and (emp\_id in row) and (password in row):

print(' ')

print(' ')

print("WELCOME TO GURPREET'S SHOE BILLING SYSTEM")

print(' ')

print(' ')

print('NEW INVOICE,press :1')

print(' ')

print('SHOW ALL INVOICES,press :2')

print(' ')

print('SHOW INVOICE BY CUSTOMER NAME,press :3')

print(' ')

print('SHOW ALL INVOICES BY INVOICE NUMBER,press :4')

print(' ')

print('EXIT,press :5')

print(' ')

c2=int(input('enter your choice : '))

if(c2==1):

bill\_no=int(input("Enter Invoice number :"))

cust\_name=input("Enter the Customer name : ")

item\_name=input("Enter Item Name: ")

qnt=int(input("Enter the Quantity of item :"))

price=int(input("Enter Cost of item :"))

pur\_date=input("Enter Date of purchase :")

t\_price=price\*qnt

phone=int(input("Enter Customer phone number : "))

SQL\_insert="insert into invoices values("+"'"+str(bill\_no)+"'"+","+"'"+cust\_name+"'"+","+"'"+item\_name+"'"+","+"'"+str(qnt)+"'"+","+"'"+str(price)+"'"+","+"'"+pur\_date+"'"+","+str(t\_price)+","+str(phone)+")"

c1.execute(SQL\_insert)

conn.commit()

print("Invoice generated")

elif (c2==2):

c1=conn.cursor()

c1.execute('select \* from invoices')

data=c1.fetchall()

count=c1.rowcount

print('Details of all invoices is',count)

for row in data:

print(row)

elif(c2==3):

print('')

name = input("Enter customer name : ")

cust\_name=[name]

sqlFormula = "select\*from invoices WHERE cust\_name = %s"

c1.execute(sqlFormula,cust\_name)

data=c1.fetchall()

count=c1.rowcount

print('Details of all invoices is',count)

for row in data:

print(row)

elif(c2==4):

print('')

inv\_no = int(input("Enter bill number : "))

bill\_no=[inv\_no]

sqlFormula = "select\*from invoices WHERE bill\_no = %s"

c1.execute(sqlFormula,bill\_no)

data=c1.fetchall()

count=c1.rowcount

print('Details of all invoices is',count)

for row in data:

print(row)

elif (c2==5):

print('THANK YOU FOR VISITING')

else:

print("Oops, something went wrong, try again...........")

if choice==3:

print("THANK YOU FOR VISITING")

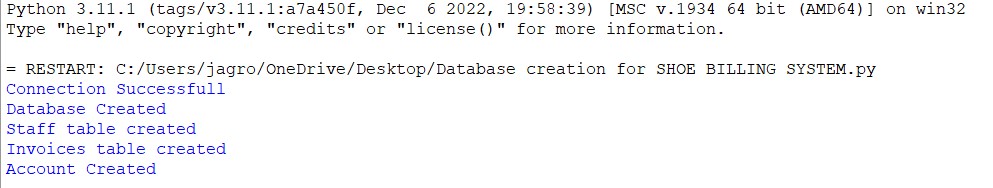
c1.close

else :

print("")

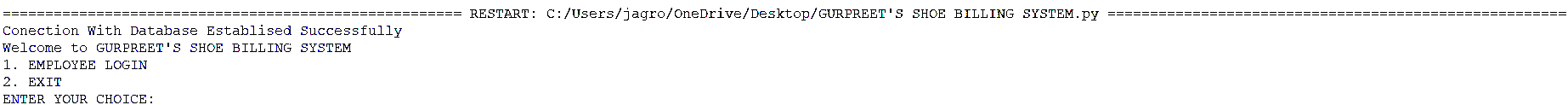
**Output**

**The output of the First File:**

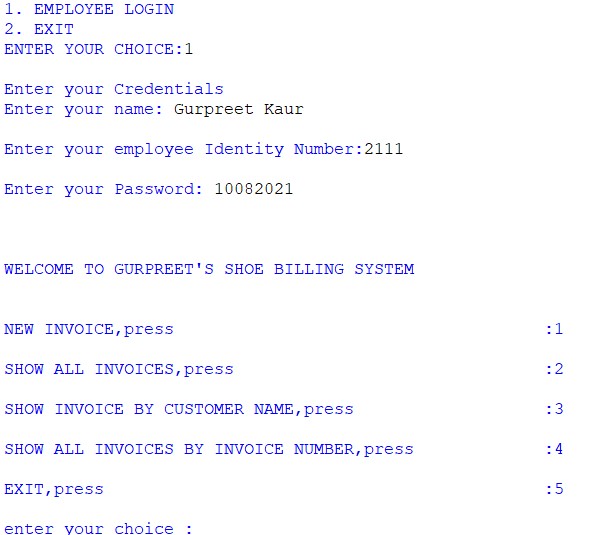
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**The output of the Second File:**

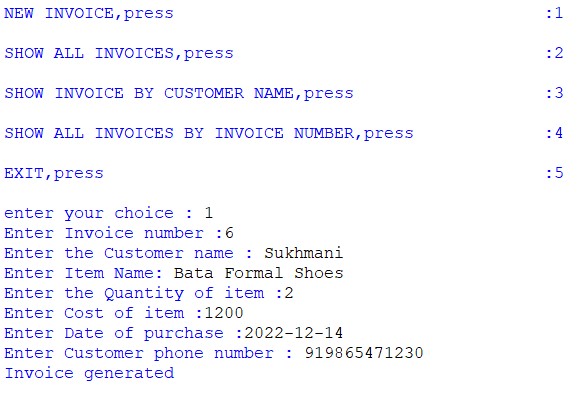
Welcome Screen:



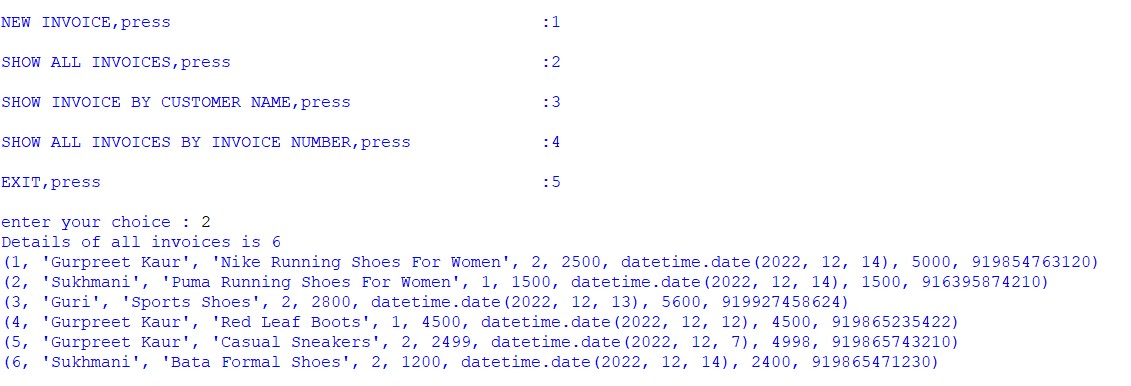
Employee Login:



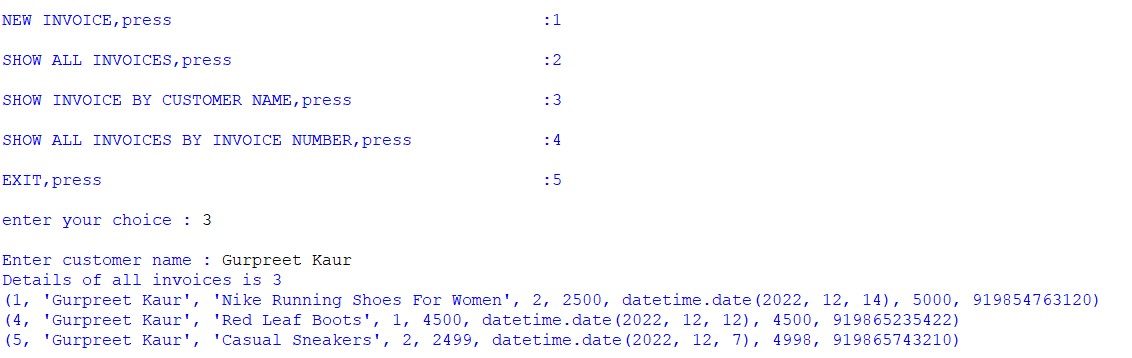
New Invoice:



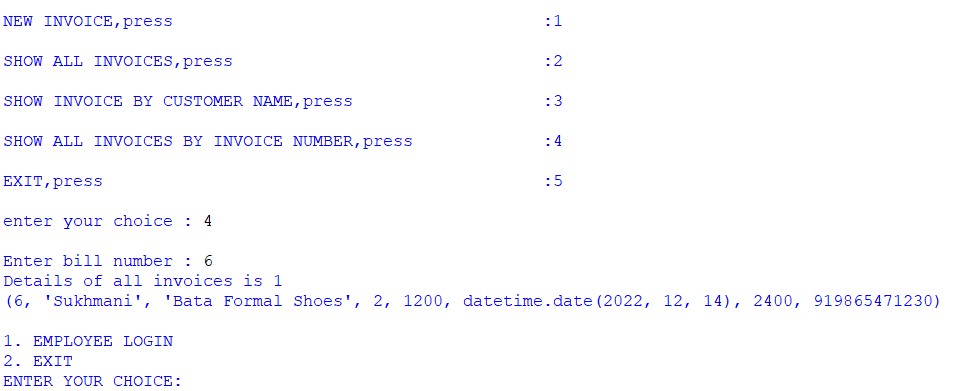
Show all Invoice:



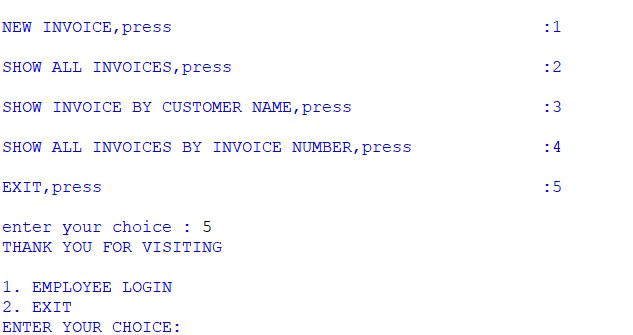
Show Invoice by customer name:



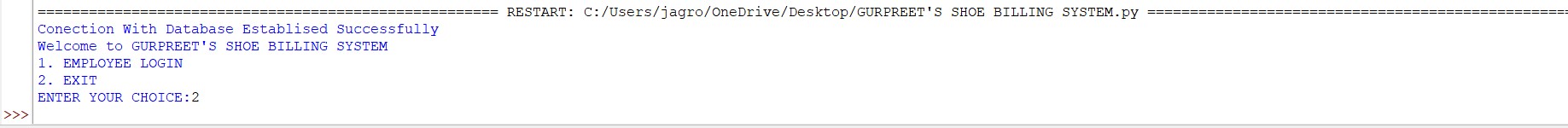
Show Invoice by bill number:



Back to the login window:

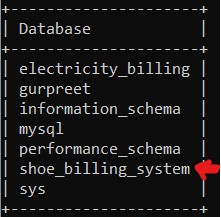


Exit the program:

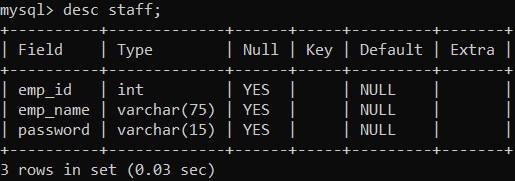


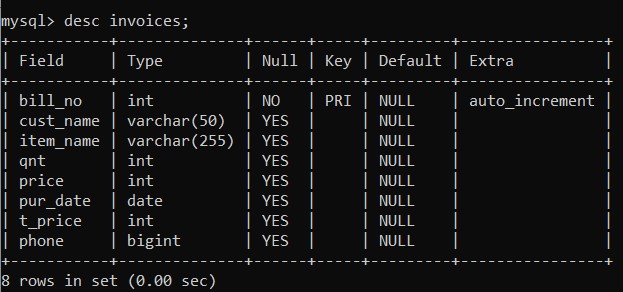
**Data in MySQL**

Database:

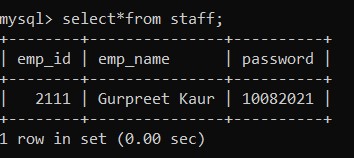


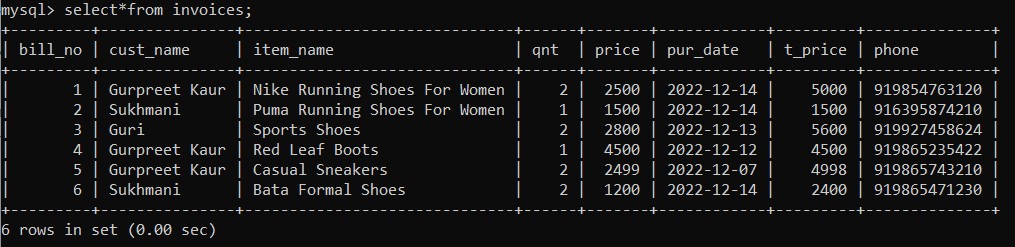
Tables Description:





Entries in Tables:

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**Bibliography**

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* [**https://www.w3schools.com/**](https://www.w3schools.com/)
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