Name: Yogesh Chandra Bhatt

Course: MCA 2 A

University Roll No: 2001173

Ques2: Write a JDBC program to ask user to enter bookname, author name, number of pages and price using

Scanner class.

Using PreparedStatement insert above asked details in bookdetails. (7 marks)

```
package com.database.connect;
import java.sql.*;
import java.util.Scanner;
public class CallableStatements {
	public static void main(String[] args) {
		try {
			Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/employee","root","8476"
);
			System.out.println("Connected");
			Scanner sc=new Scanner(System.in);
			System.out.println("Enter number of records");
			int n=sc.nextInt();
			PreparedStatement pst=conn.prepareStatement("insert into
bookdetails values(?,?,?,?)");
			String bookname=null,authorname=null;
			int pages=0,price=0;
			while(n>0)
			{
				System.out.println("Enter bookname");
				bookname=sc.next();
				System.out.println("Enter authorname");
				authorname=sc.next();
				System.out.println("Enter number of pages");
				pages=sc.nextInt();
				System.out.println("Enter price");
				price=sc.nextInt();
				pst.setString(1, bookname);
				pst.setString(2, authorname);
				pst.setInt(3, pages);
				pst.setInt(4,price);
				pst.executeUpdate();
				n--;
			}
			System.out.println("Data inserted");
			sc.close();
		}
		catch(Exception e)
		{
			e.printStackTrace();
		}
```

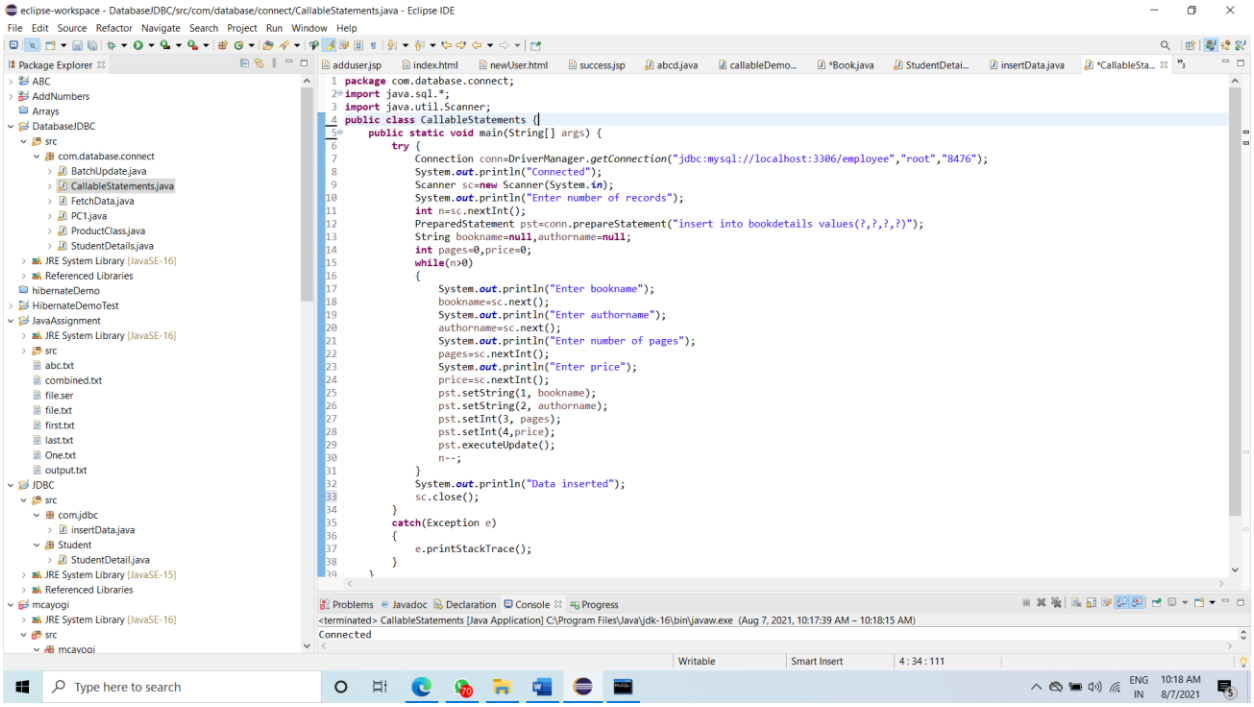
```
        }

}
```

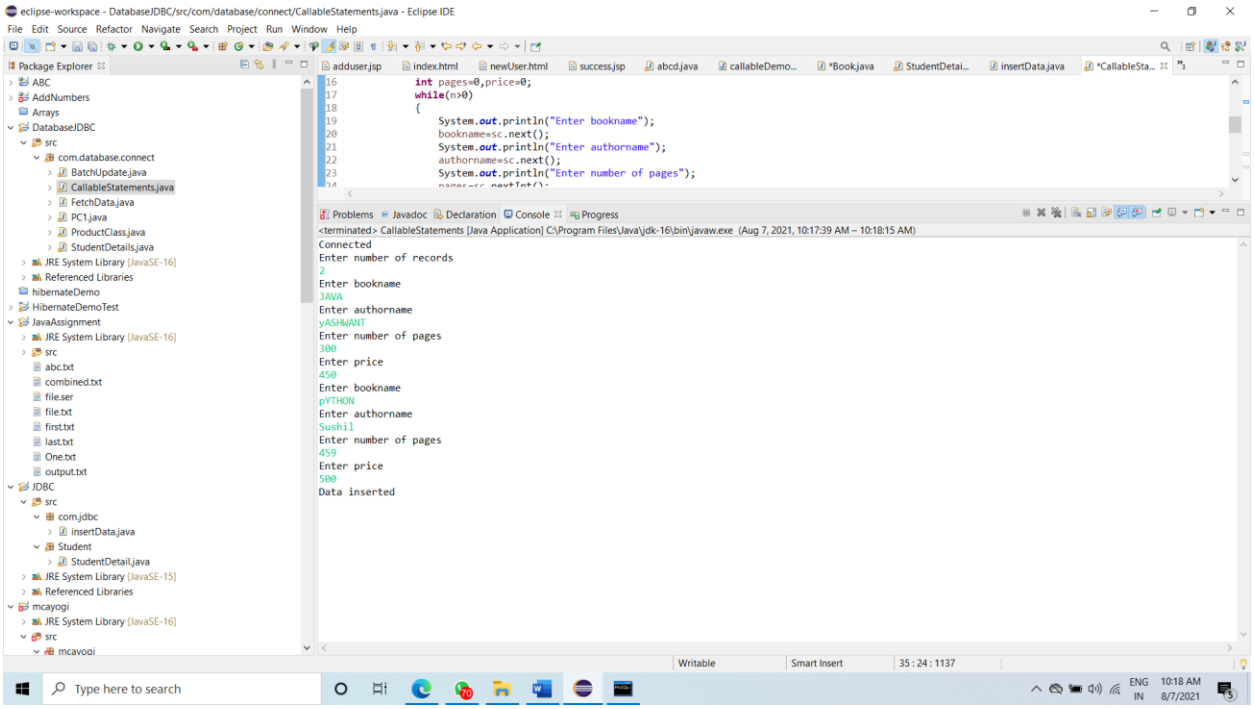
Name: Yogesh Chandra Bhatt Course: MCA 2A
Roll No: 2001173 Subject: Java Lab Practical

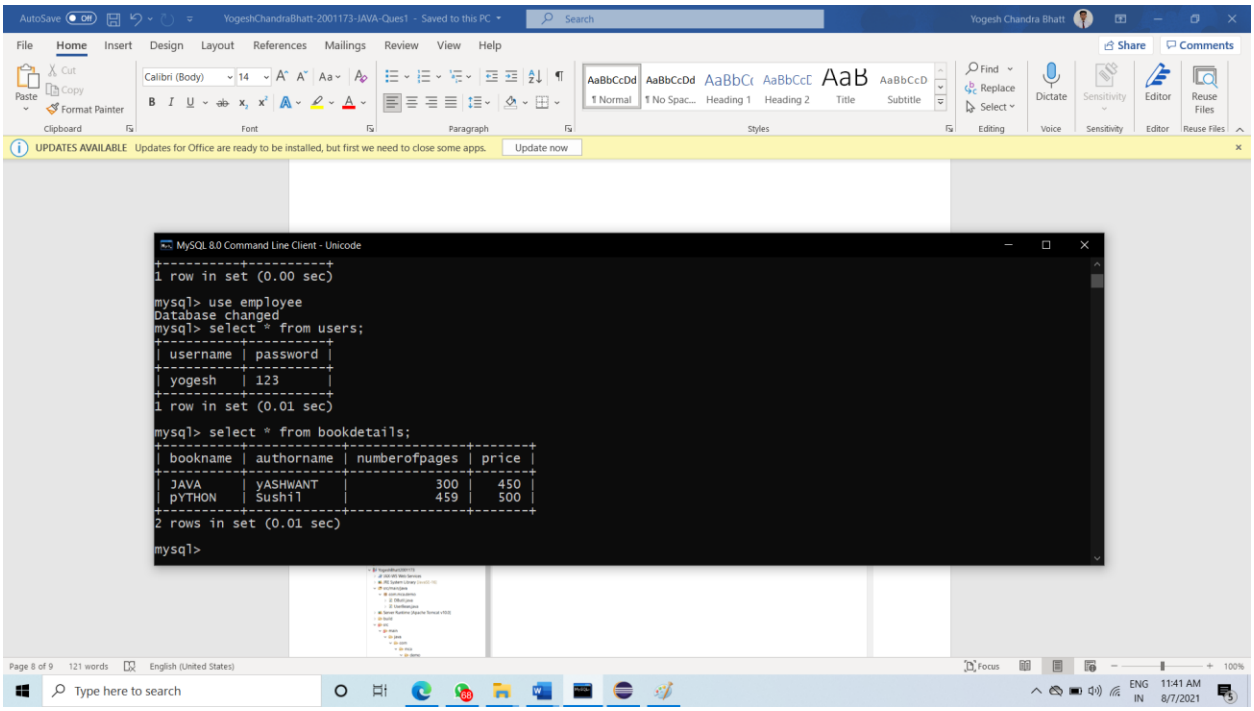
(2)

```
import java.sql.*;
import java.util.scanner;
public class Callablestatements{
    public static void main(String args[])
    {
  try
   Connection conn = DriverManager.getConnection
     ("jdbc:mysql://localhost:3306/employee,"
      "root", "8476");
      System.out.println("Connected");
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter no. of records");
      int n = sc.nextInt();
     Prepared statement pst = conn.prepareStatement
     ("insert into bookdetails values(?,?,?,?)");
      String bookname = null, authorname = null;
      int pages = 0, price = 0;
      while(n>0)
      {
        system.out.println("Enter bookname");
        bookname = sc.next();
        System.out.println("Enter Authorname");
        authorname = sc.next();
```

```
System.out.println("Enter no. of pages");
  pages = sc.nextInt();
 pst.setString(1, bookname);
 pst.setString(2, authorname);
  pst.setInt(3, pages);
  pst.setInt(4, price);
  pst.executeUpdate();
  n--;
}
System.out.println("Data inserted");
sc.close();
}
catch (Exception e)
{
  e.printStackTrace();
 }
}
```


eclipse-workspace - DatabaseJDBC/src/com/database/connect/CallableStatements.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
ABC
AddNumbers
Arrays
DatabaseJDBC
src
com.database.connect
BatchUpdate.java
CallableStatements.java
FetchData.java
PC1.java
ProductClass.java
StudentDetails.java
JRE System Library [JavaSE-16]
Referenced Libraries
hibernateDemo
HibernateDemoTest
JavaAssignment
JRE System Library [JavaSE-16]
src
abc.txt
combined.txt
file.ser
file.txt
first.txt
last.txt
One.txt
output.txt
JDBC
src
com.jdbc
insertData.java
Student
StudentDetail.java
JRE System Library [JavaSE-15]
Referenced Libraries
mcayogi
JRE System Library [JavaSE-16]
src
mcayogi
adduser.jsp
index.html
newUser.html
success.jsp
abcd.java
callableDemo...
*Book.java
StudentDetai...
insertData.java
*CallableSta...
1 package com.database.connect;
2 import java.sql.*;
3 import java.util.Scanner;
4 public class CallableStatements {
5 public static void main(String[] args) {
6 try {
7 Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/employee","root","8476");
8 System.out.println("Connected");
9 Scanner sc=new Scanner(System.in);
10 System.out.println("Enter number of records");
11 int n=sc.nextInt();
12 PreparedStatement pst=conn.prepareStatement("insert into bookdetails values(?,?,?,?)");
13 String bookname=null,authorname=null;
14 int pages=0,price=0;
15 while(n>0)
16 {
17 System.out.println("Enter bookname");
18 bookname=sc.next();
19 System.out.println("Enter authorname");
20 authorname=sc.next();
21 System.out.println("Enter number of pages");
22 pages=sc.nextInt();
23 System.out.println("Enter price");
24 price=sc.nextInt();
25 pst.setString(1, bookname);
26 pst.setString(2, authorname);
27 pst.setInt(3, pages);
28 pst.setInt(4,price);
29 pst.executeUpdate();
30 n--;
31 }
32 System.out.println("Data inserted");
33 sc.close();
34 }
35 catch(Exception e)
36 {
37 e.printStackTrace();
38 }
Problems Javadoc Declaration Console Progress
<terminated> CallableStatements [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 7, 2021, 10:17:39 AM – 10:18:15 AM)
Connected
Writable
Smart Insert
4 : 34 : 111
Type here to search
ENG IN
10:18 AM 8/7/2021


eclipse-workspace - DatabaseJDBC/src/com/database/connect/CallableStatements.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
ABC
AddNumbers
Arrays
DatabaseJDBC
src
com.database.connect
BatchUpdate.java
CallableStatements.java
FetchData.java
PC1.java
ProductClass.java
StudentDetails.java
JRE System Library [JavaSE-16]
Referenced Libraries
hibernateDemo
HibernateDemoTest
JavaAssignment
JRE System Library [JavaSE-16]
src
abc.txt
combined.txt
file.ser
file.txt
first.txt
last.txt
One.txt
output.txt
JDBC
src
com.jdbc
insertData.java
Student
StudentDetail.java
JRE System Library [JavaSE-15]
Referenced Libraries
mcayogi
JRE System Library [JavaSE-16]
src
mcayogi
adduser.jsp
index.html
newUser.html
success.jsp
abcd.java
callableDemo...
*Book.java
StudentDetai...
insertData.java
*CallableSta...
16 int pages=0,price=0;
17 while(n>0)
18 {
19 System.out.println("Enter bookname");
20 bookname=sc.next();
21 System.out.println("Enter authorname");
22 authorname=sc.next();
23 System.out.println("Enter number of pages");
Problems Javadoc Declaration Console Progress
<terminated> CallableStatements [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 7, 2021, 10:17:39 AM – 10:18:15 AM)
Connected
Enter number of records
2
Enter bookname
JAVA
Enter authorname
yASHWANT
Enter number of pages
300
Enter price
450
Enter bookname
pYTHON
Enter authorname
Sushil
Enter number of pages
459
Enter price
500
Data inserted
Writable
Smart Insert
35 : 24 : 1137
Type here to search
ENG IN
10:18 AM 8/7/2021


MySQL 8.0 Command Line Client - Unicode
1 row in set (0.00 sec)
mysql> use employee
Database changed
mysql> select * from users;
| username | password |
| yogesh | 123 |
1 row in set (0.01 sec)
mysql> select * from bookdetails;
bookname	authorname	numberofpages	price
JAVA	yASHWANT	300	450
pYTHON	Sushil	459	500
2 rows in set (0.01 sec)
mysql>