**QUESTION 2:**

**CODE:**

```java
import java.sql.*;

import java.util.*;

public class Q2 {

        public static void main(String[] args) {

                // TODO Auto-generated method stub

try {

        Class.forName("com.mysql.cj.jdbc.Driver");

        Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/mydb","root","1234");

        System.out.println("Connected");

         PreparedStatement pst=conn.prepareStatement("insert into bookdetails values
(?,?,?,?)");

         Scanner sc=new Scanner(System.in);

          System.out.println("Enter book name");

          String bname=sc.nextLine();

          System.out.println("Enter author name");

          String name=sc.nextLine();

          System.out.println("Enter number of pages");

          int nop=sc.nextInt();

    System.out.println("Enter price");

    int price = sc.nextInt();

          pst.setString(1, bname);

          pst.setString(2, name);

          pst.setInt(3, nop);

    pst.setInt(4, price);

          int x=pst.executeUpdate();
```

```java
pst.close();

if(x!=0) {

    System.out.println("Data inserted");

}

else {

    System.out.println("Enter again");

}

pst=conn.prepareStatement("select * from bookdetails");

ResultSet rs=pst.executeQuery();

while(rs.next()) {

    System.out.println("Book Name: "+rs.getString(1));

    System.out.println("Author Name: "+rs.getString(2));

    System.out.println("No of pages: "+rs.getInt(3));

System.out.println("Price: "+rs.getInt(4));


        }

//create procedure


    //rs.first();

conn.close();

}

            catch(Exception e) {

                    e.printStackTrace();

            }

}

    }
```

**OUTPUT:**

```
Connected
Enter book name
book1
Enter author name
author1
Enter number of pages
100
Enter price
200
Data inserted
Book Name: book1
Author Name: author1
No of pages: 100
Price: 200
```

**HANDWRITTEN CODE:**

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2 (c):→ Code :→

```java
import java.sql.*;
import java.util.*;
public class Q2
{
    public static void main(String[] args)
    {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection conn = DriverManager.getConnection("jdbc:mysql://location.3306/mydb", "root", "1234");
            System.out.println("Connected:");

            Scanner sc = new Scanner(System.in);

            System.out.println("Enter book name: ");
            String bname = sc.nextLine();
            System.out.println("Enter author name: ");
            String name = sc.nextLine();
            System.out.println("Enter no. of page: ");
            int nop = sc.nextInt();
```

```java
System.out.println("Enter price : ");
int price = sc.nextline();
pst.setString(1, bname);
pst.setString(2, name);
pst.setInt(3, nop);
pst.setInt(4, price);
int x = pst.executeUpdate();
pst.close();
if(x != 0){
    System.out.println("Data inserted");
}
else{
    System.out.println("Enter again");
}
pst = conn.prepareStatement("select * from bookdetails");
ResultSet rs = pst.executeQuery();
while(rs.next()){

System.out.println("Book name : "+
        rs.getString(1));
System.out.println("Author name : "
        +rs.getString(2));
System.out.println("No. of pages : "
        +rs.getString(3));
System.out.println("Price : "+rs.
        getInt(4));
}
conn.close();
```