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Course - MCA2B  
Subject - Java Programming Lab

```
Ques 2 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://localhost:3306/
            mydb","root","1234");

            System.out.println("connected");
            PreparedStatement pst = conn.prepareStatement("insert into book details
            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
            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();
            pst.close();
        }
    }
}
```



```
if (z != 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));
```

```
}
```

```
conn.close();
```

```
} catch (Exception e) {
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```
}
```

```
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( url: "jdbc:mysql://localhost:3306/mydb", user: "root", passw
            System.out.println("Connected");
            PreparedStatement pst=conn.prepareStatement( sql: "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( parameterIndex: 1, bname);
            pst.setString( parameterIndex: 2, name);
            pst.setInt( parameterIndex: 3, nop);
            pst.setInt( parameterIndex: 4, price);
            int x=pst.executeUpdate();
            pst.close();
            if(x!=0) {
                System.out.println("Data inserted");
            }
            else {
```



```
pst.setInt( parameterIndex: 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( sql: "select * from bookdetails");
ResultSet rs=pst.executeQuery();
while(rs.next()) {
    System.out.println("Book Name: "+rs.getString( columnIndex: 1));
    System.out.println("Author Name: "+rs.getString( columnIndex: 2));
    System.out.println("No of pages: "+rs.getInt( columnIndex: 3));
    System.out.println("Price: "+rs.getInt( columnIndex: 4));
}
//create procedure

//rs.first();
conn.close();
}
catch(Exception e) {
    e.printStackTrace();
}
}
```

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