

# Java Full Stack Development

## Skilling-2

ID NO: 190030677

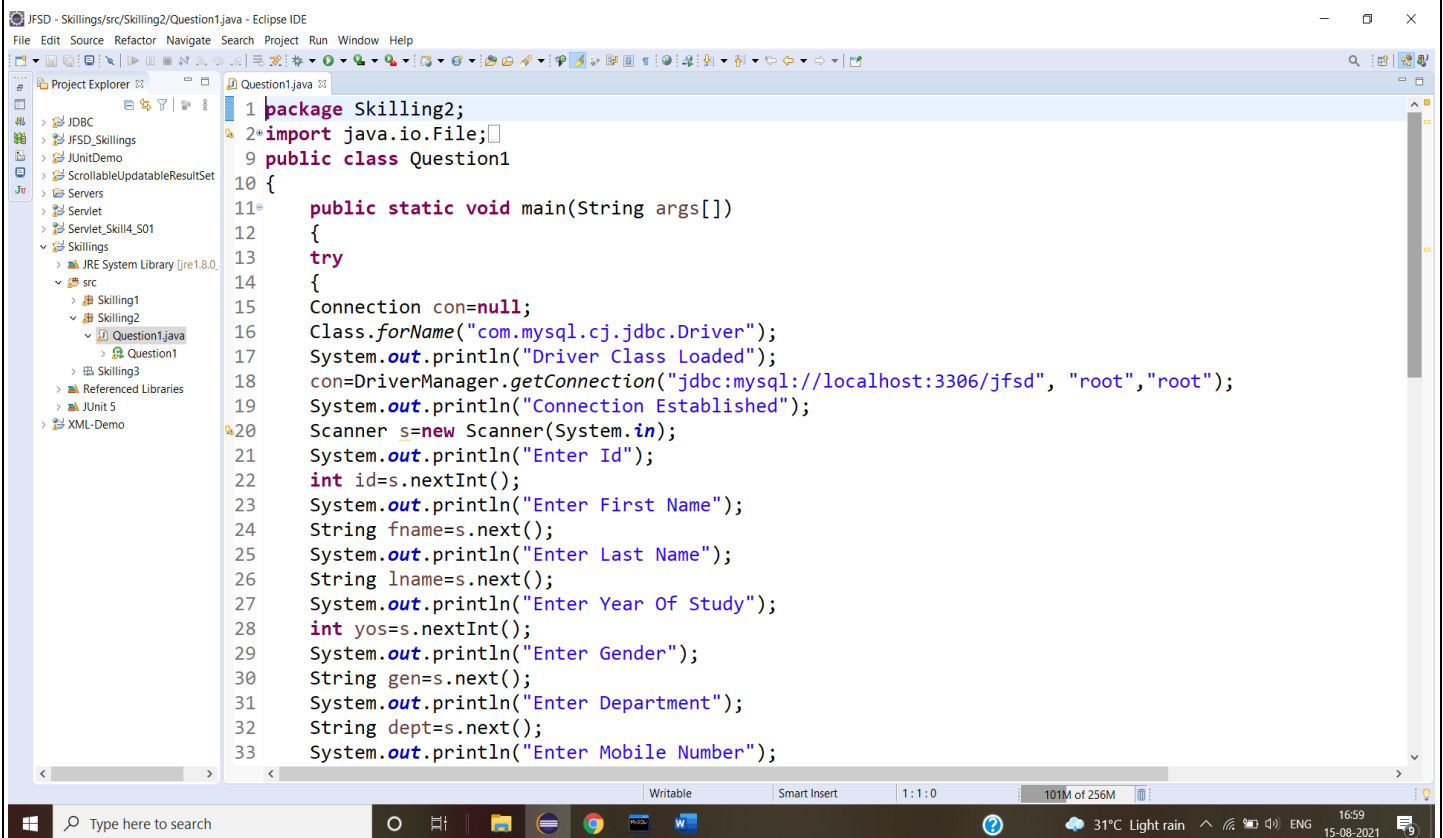
Name: K. Sravani

1. a) Pranathi is a Student in KL University, as situations are not good, she does not want to travel, so she wants to stay in Hostel from this year. There are many more students who are facing the same issue, so our KL University Hostel Management Came to a decision to create a table which includes KL ID Number (Primary Key), First Name, Last Name, Year of Study, Gender, Department, Mobile Number, Date of Birth (Must use "Date" data type), Parent Name, Parent Mobile Number, Address, proof (Photo of KL ID Card) and the Payment Receipt (PDF). Help the K L Hostel Management to Manage Database with their requirements.

b) Assume you are a student who opted to stay in Hostel at the time of registrations and fill the details that are required to book a room in a hostel.

**Note: Use Statement and PreparedStatement**

### Code Screenshots:



```
1 package Skilling2;
2 import java.io.File;
9 public class Question1
10 {
11     public static void main(String args[])
12     {
13         try
14         {
15             Connection con=null;
16             Class.forName("com.mysql.cj.jdbc.Driver");
17             System.out.println("Driver Class Loaded");
18             con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jfsd", "root","root");
19             System.out.println("Connection Established");
20             Scanner s=new Scanner(System.in);
21             System.out.println("Enter Id");
22             int id=s.nextInt();
23             System.out.println("Enter First Name");
24             String fname=s.next();
25             System.out.println("Enter Last Name");
26             String lname=s.next();
27             System.out.println("Enter Year Of Study");
28             int yos=s.nextInt();
29             System.out.println("Enter Gender");
30             String gen=s.next();
31             System.out.println("Enter Department");
32             String dept=s.next();
33             System.out.println("Enter Mobile Number");
```

JFSD - Skillings/src/Skillings2/Question1.java - Eclipse IDE

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```
33 System.out.println("Enter Mobile Number");
34 long mob=s.nextLong();
35 System.out.println("Enter Date Of Birth");
36 String date=s.next();
37 System.out.println("Enter Parent Name");
38 String pname=s.next();
39 System.out.println("Enter Parent Mobile Number");
40 long pmob=s.nextLong();
41 System.out.println("Enter Address");
42 String add=s.next();
43 System.out.println("Upload Id");
44 File idcard = new File(s.next());
45 byte[] ic = new byte[(int)idcard.length()];
46 System.out.println("Upload Payment Receipt");
47 File payment = new File(s.next());
48 byte[] pr = new byte[(int)payment.length()];
49 PreparedStatement pstmt = (PreparedStatement)con.prepareStatement("insert into hdetails values(?,?,?,
50 pstmt.setInt(1,id);
51 pstmt.setString(2,fname);
52 pstmt.setString(3,lname);
53 pstmt.setInt(4,yos);
54 pstmt.setString(5,gen);
55 pstmt.setString(6,dept);
56 pstmt.setLong(7,mob);
57 pstmt.setString(8,date);
58 pstmt.setString(9,pname);
59 pstmt.setLong(10,pmob);
```

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JFSD - Skillings/src/Skillings2/Question1.java - Eclipse IDE

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Project Explorer

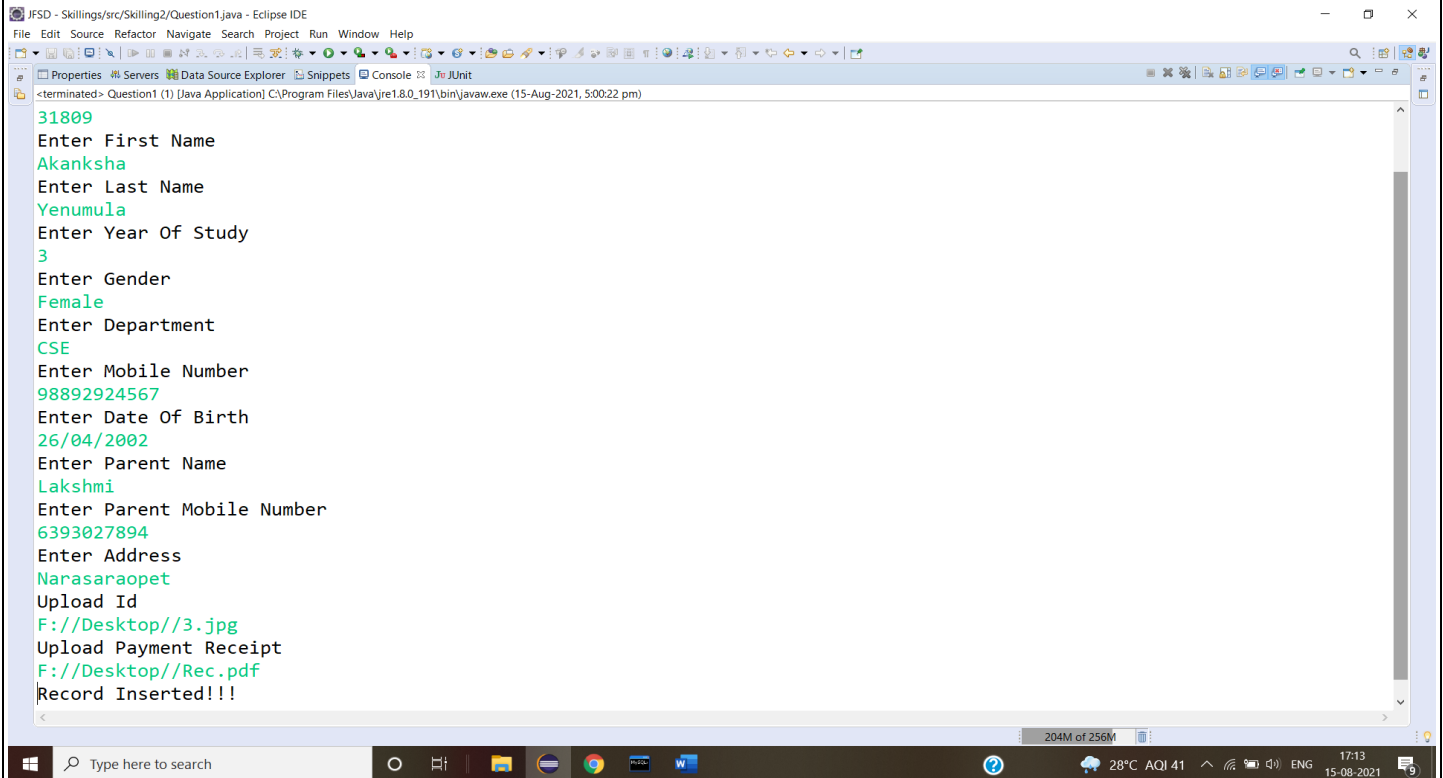
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  - XML-Demo

```
45 byte[] ic = new byte[(int)idcard.length()];
46 System.out.println("Upload Payment Receipt");
47 File payment = new File(s.next());
48 byte[] pr = new byte[(int)payment.length()];
49 PreparedStatement pstmt = (PreparedStatement)con.prepareStatement("insert into hdetails values(?,?,?,
50 pstmt.setInt(1,id);
51 pstmt.setString(2,fname);
52 pstmt.setString(3,lname);
53 pstmt.setInt(4,yos);
54 pstmt.setString(5,gen);
55 pstmt.setString(6,dept);
56 pstmt.setLong(7,mob);
57 pstmt.setString(8,date);
58 pstmt.setString(9,pname);
59 pstmt.setLong(10,pmob);
60 pstmt.setString(11, add);
61 pstmt.setBytes(12,ic);
62 pstmt.setBytes(13,pr);
63 pstmt.executeUpdate();
64 System.out.println("Record Inserted!!!");
65 }
66 catch(Exception e)
67 {
68 System.out.println(e);
69 }
70 }
71 }
```

Writable Smart Insert 1:1:0 112M of 256M

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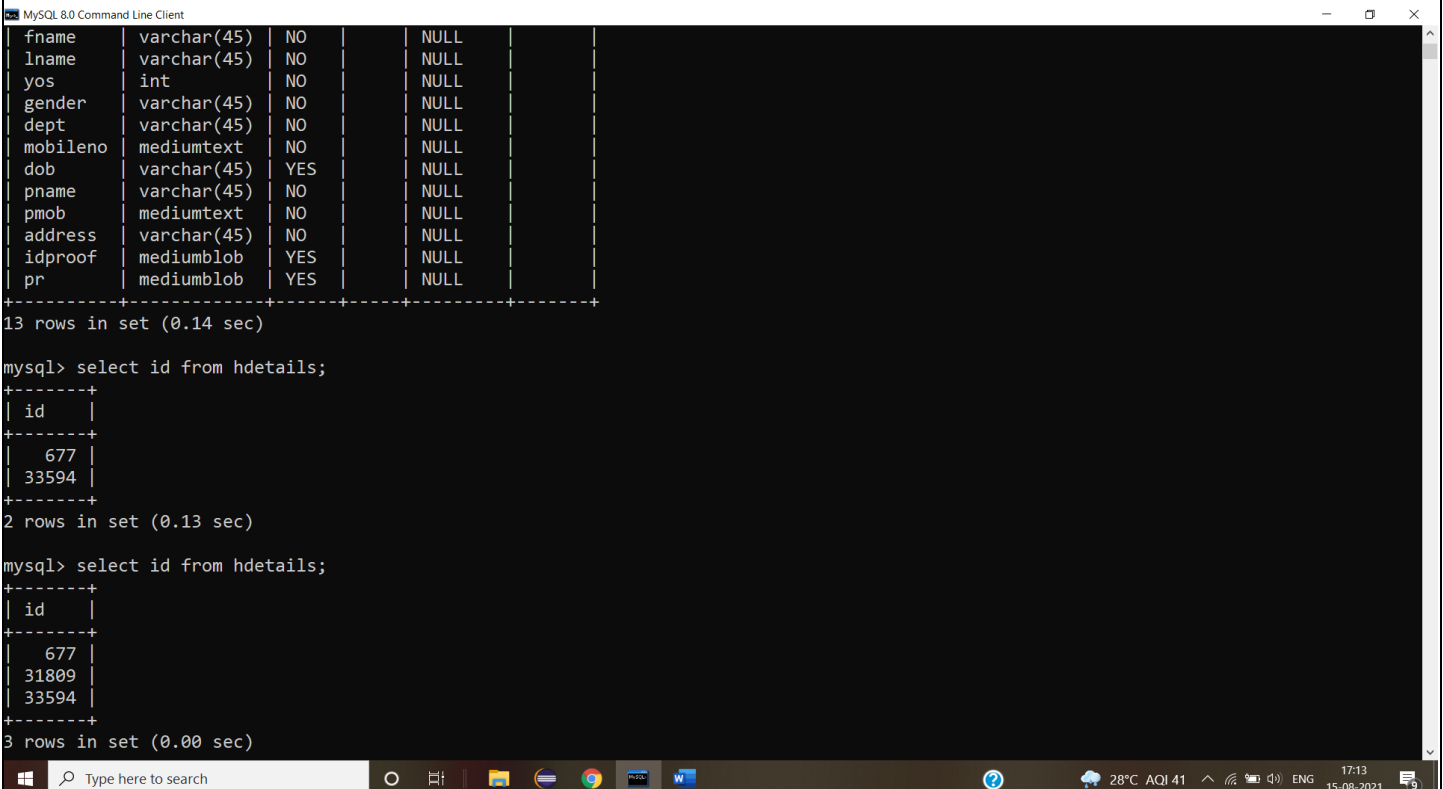
## Output Screenshots:



The screenshot shows the Eclipse IDE console window. The title bar reads "JFSD - Skills/src/Skilling2/Question1.java - Eclipse IDE". The console output is as follows:

```
<terminated> Question1 (1) [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (15-Aug-2021, 5:00:22 pm)
31809
Enter First Name
Akanksha
Enter Last Name
Yenumula
Enter Year Of Study
3
Enter Gender
Female
Enter Department
CSE
Enter Mobile Number
98892924567
Enter Date Of Birth
26/04/2002
Enter Parent Name
Lakshmi
Enter Parent Mobile Number
6393027894
Enter Address
Narasaraopet
Upload Id
F://Desktop//3.jpg
Upload Payment Receipt
F://Desktop//Rec.pdf
Record Inserted!!!
```

## Database Screenshot:



The screenshot shows the MySQL 8.0 Command Line Client. It displays the schema for a table named 'hdetails' and the results of two SQL queries.

**Table Schema:**

Field	Type	Nullable	Key
fname	varchar(45)	NO	
lname	varchar(45)	NO	
yos	int	NO	
gender	varchar(45)	NO	
dept	varchar(45)	NO	
mobilen	mediumtext	NO	
dob	varchar(45)	YES	
pname	varchar(45)	NO	
pmob	mediumtext	NO	
address	varchar(45)	NO	
idproof	mediumblob	YES	
pr	mediumblob	YES	

13 rows in set (0.14 sec)

**Query 1:**

```
mysql> select id from hdetails;
```

id
677
33594

2 rows in set (0.13 sec)

**Query 2:**

```
mysql> select id from hdetails;
```

id
677
31809
33594

3 rows in set (0.00 sec)