

## **Seminar Report on “Application Development using JavaFX and JDBC Framework”**

**1. Date of the Seminar/Workshop:** 14-11-2021, 15-11-2021, 16-11-2021

**2. Title of the Seminar/Workshop:** “Application Development using JavaFX and JDBC Framework”

**3. Name of the Speaker/Resource person with Affiliation with the institute/industry:**

Resource Person-01:-Mr. Semil Shah

B.E Student

Designation:- CTO and co-founder of static.int educare

Resource Person-02:-Siddhant Mishra

B.E Student

Designation:- Android and flutter developer and chief educator at [static.int](http://static.int) educare

**4. Venue of the Seminar/Workshop:** Platform used-Google meet

**5. Duration of the Seminar:** 2 hrs(11-1pmon 14 Nov and 4.45-6.45pm on Nov 15 and 16pm)

**6. Conducted For:** Students of Second year computer Engineering

**7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:**

The objective of this course is to provide the fundamental aspects of JDBC and get a clear understanding of how it operates. .This hands-on course covers all the details needed to use JDBC to access the information from the databases using Java.. As only the introduction to JDBC is mentioned in the syllabus This workshop is to provide basis knowledge of MYSQL and provide a hands on session on working of JDBC.

**8. Contents of the Seminar/Workshop:**

**Day 1:** 14-11-2021

- Applets lifecycle
- Applets functions

- Different components present in applets (eg - Button, TextField, checkbox, etc).
- Running Applet.

**Day 2: 15-11-2021**

- Concept of Interfaces.
- ActionListener.
- Mouse Event Listeners.

**Day 3: 16-11-2021**

- Introduction to MYSQL.
- Commands in MYSQL.
- Creating project and Adding JDBC jar file to build Path in Netbeans.
- Connecting with MYSQL and performing Operations.

**9. Description of the Entire Event**

The Computer Department of St. Francis Institute of Technology organized a workshop on “JDBC” on Sunday 14<sup>th</sup> November 2021 between 11.00 am to 01:00 pm , online on Google meet.

There were approximately **70** student participants and 01 faculty participants who attended the workshop. The program was started with welcome speech by Dr. Nazneen Ansari where she introduced the Speakers Mr. Semil Shah and Siddhant Mishra both B.E. Computer Engineering student of SFIT . Later, Semil Shah took over the session.

**In Day 1** The speaker started off by introducing himself and his friend and then revised the topic like the Applets. Semil covered basics of Applets like Applets lifecycle ,Applets functions,Different components present in applets (eg - Button, TextField, checkbox, etc). Running Applet.He also took hands-on session on applets wherein he taught students how to make an GUI application to select language and use of components like Buton, Text field, Text Area and checkbox etc.

**In Day 2** :- The speaker covered the following topics with the help of a hands-on session  
Concept of Interfaces. Action Listeners. Mouse Event Listeners. Keyboard listener. Mouse  
Dragged. Mouse Moved Key Event

**In Day 3**:- The speaker covered the following topics with the help of a hands-on session  
Introduction to MYSQL. Commands in MYSQL. Creating project and Adding JDBC jar file to  
build Path in Netbeans. Connecting with MYSQL and performing Operations.  
Students performed the following in the session

Load SQL Driver

Establish a connection

Query to create a table in database;

Execute Query


At the end of the session, the forum was open for questions where the speakers answered the queries posed by the students. Dr. Nazneen Ansari gave the vote of thanks and a few students also gave their valuable feedback to the speaker. With this session, the students had a clearer understanding of Java database Connectivity.

## **Session Photographs**

**Day-1**

Meet - qdb-gyiw-shp - Google Chrome  
meet.google.com/qdb-gyiw-shp?authuser=0

REC



SEMIL SHAH\_192262

SAMVID SHASTR... KRUNAL PATEL... PARBAT SINGH... CARL MASCARE... KRISHNA VISHW... 71 others You

secmpna

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

KEVIN GOMES\_202048 3:35 PM  
yes

ROOSEWELT ANTONY\_202006 3:35 PM  
yes

SURYAPRAKASH SINGH\_202119 3:35 PM  
yes

ELBIN THOMAS\_202040 3:35 PM  
Ye

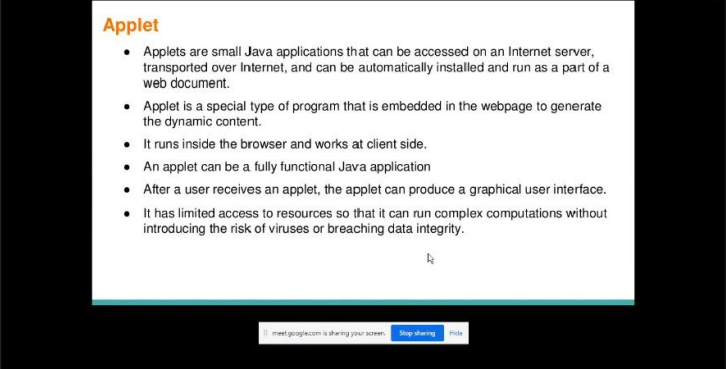
RHEA PINTO\_202104 3:35 PM  
yes

KRUNAL PATEL\_202096 3:35 PM  
no

Send a message to everyone

Meet - qdb-gyiw-shp - Google Chrome  
meet.google.com/qdb-gyiw-shp?authuser=0

REC SEMIL SHAH\_192262 is presenting



**Applet**

- Applets are small Java applications that can be accessed on an Internet server, transported over Internet, and can be automatically installed and run as a part of a web document.
- Applet is a special type of program that is embedded in the webpage to generate the dynamic content.
- It runs inside the browser and works at client side.
- An applet can be a fully functional Java application
- After a user receives an applet, the applet can produce a graphical user interface.
- It has limited access to resources so that it can run complex computations without introducing the risk of viruses or breaching data integrity.

meet.google.com is sharing your screen. [Stop sharing](#) [Info](#)

SEMIL SHAH\_1... SAMVID SHAST... KRUNAL PATEL... PARBAT SINGH... CARL MASCARE... KEVIN GOMES\_202048 YES

secmpna

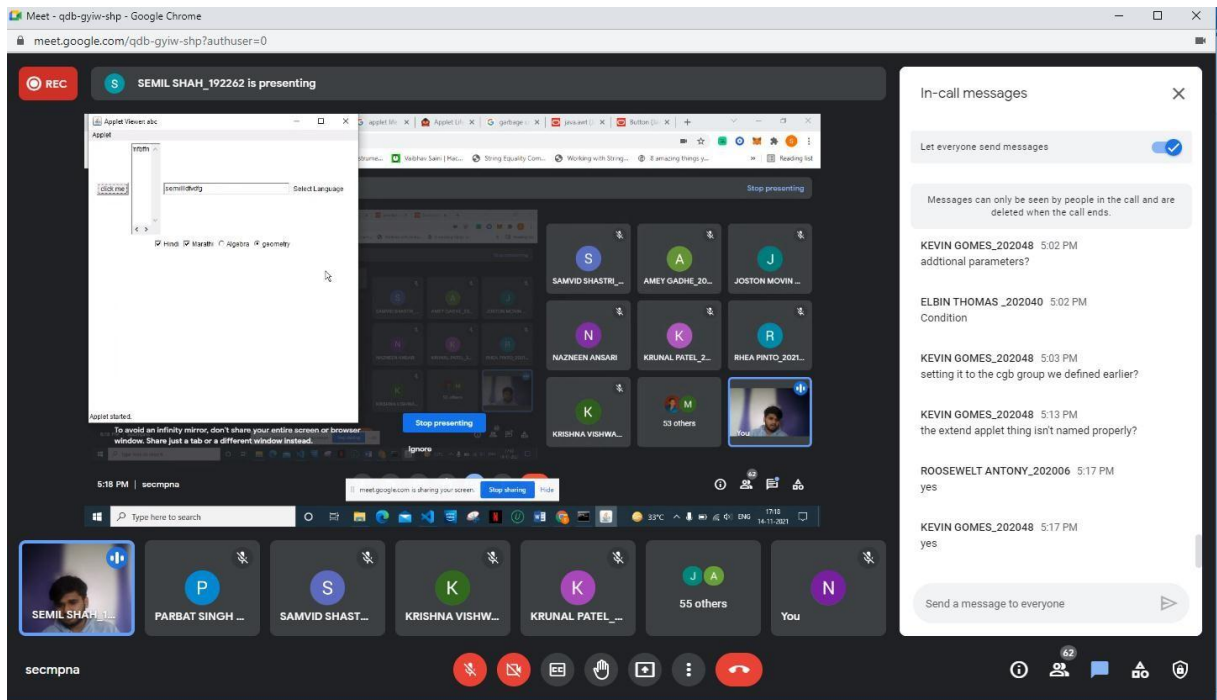
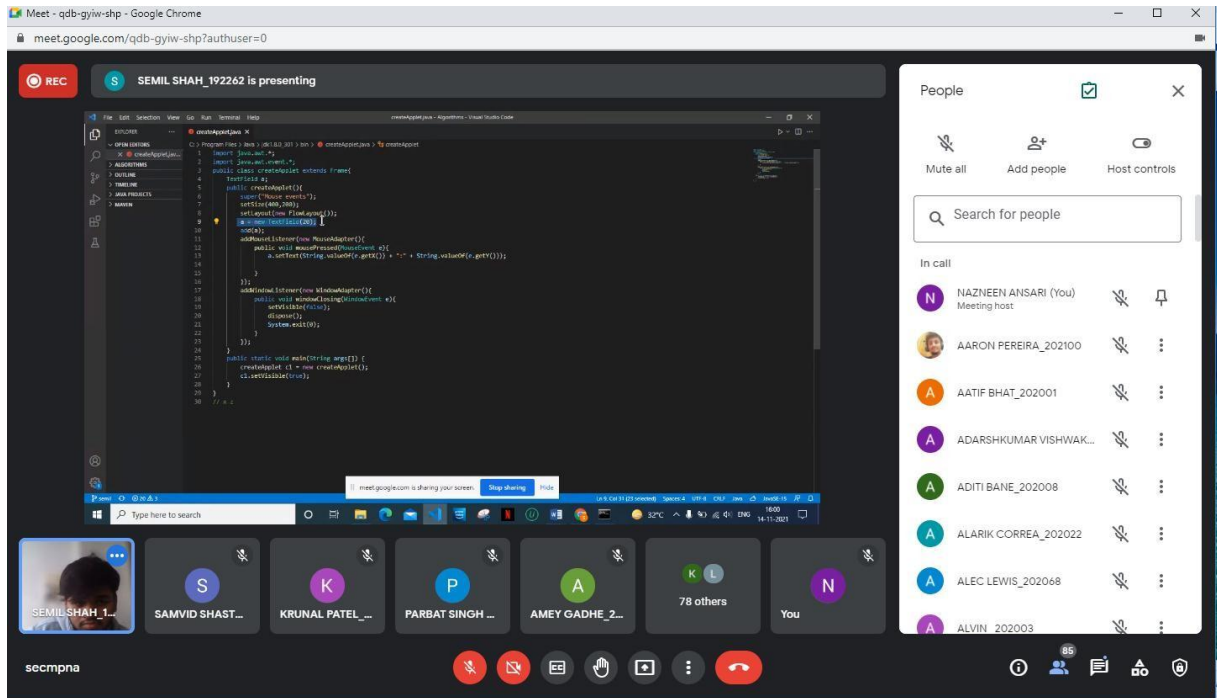
People

Mute all Add people Host controls

Search for people

In call

- NAZNEEN ANSARI (You) Meeting host
- AARON PEREIRA\_202100
- AATIF BHAT\_202001
- ADARSHKUMAR VISHWAK...
- ADITI BANE\_202008
- ALARIK CORREA\_202022
- ALEC LEWIS\_202068
- ALVIN\_202003



Day-2

Meet - kpd-ymts-bcr - Google Chrome  
meet.google.com/kpd-ymts-bcr?authuser=0

REC SEMIL SHAH\_192262 is presenting

The Java™ Tutorials  
Introduction to Event Listeners

Introduction to Event Listeners

If you have read any of the component how-to pages, you probably already know the basics of event listeners. Let us look at one of the simplest event handling examples possible. It is called **Sw椒椒**, and it features a button that beeps when you click it. Click the Launch button to run **Sw椒椒** using Java™ Web Start (download JDK 7 or later). Alternatively, to compile and run the example yourself, consult the example's [source code](#).

SEMIL SHAH\_1... SIDDHANT MISH... AMEY GADHE\_2... BRENDON FERR... SAHIL PATEL\_20... 42 others You

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Meet - kpd-ymts-bcr - Google Chrome  
meet.google.com/kpd-ymts-bcr?authuser=0

REC SEMIL SHAH\_192262 is presenting

Google listener in java docs

About 43,30,000 results (0.50 seconds)

<https://docs.oracle.com/javase/7/tutorial/uiswing/events/api/>  
**Listener API Table - The Java™ Tutorials**  
Listener API Table - In the table that follows, the first column gives the name of the listener interface, with either a link to the tutorial page that ...

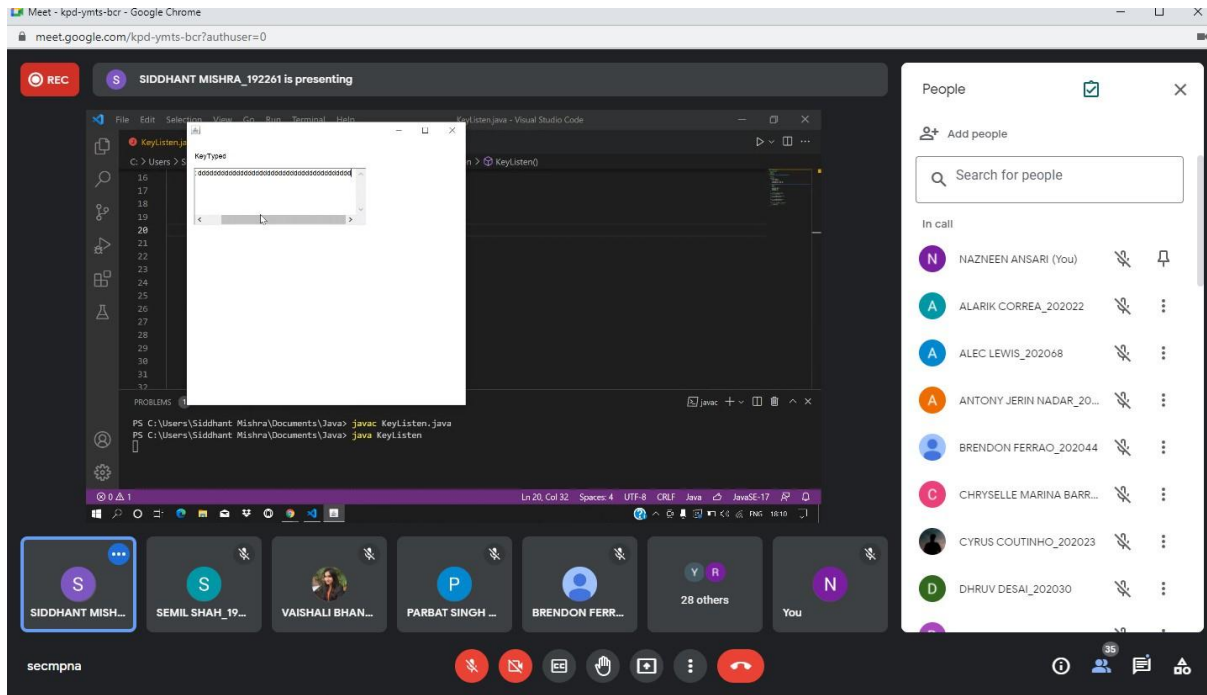
<https://docs.oracle.com/javase/7/docs/api/java/awt/event/>  
**ActionListener (Java Platform SE 7) - Oracle Help Center**  
The **Listener** interface for receiving action events. The class that is interested in processing an action event implements this interface, and the object ...

People also ask

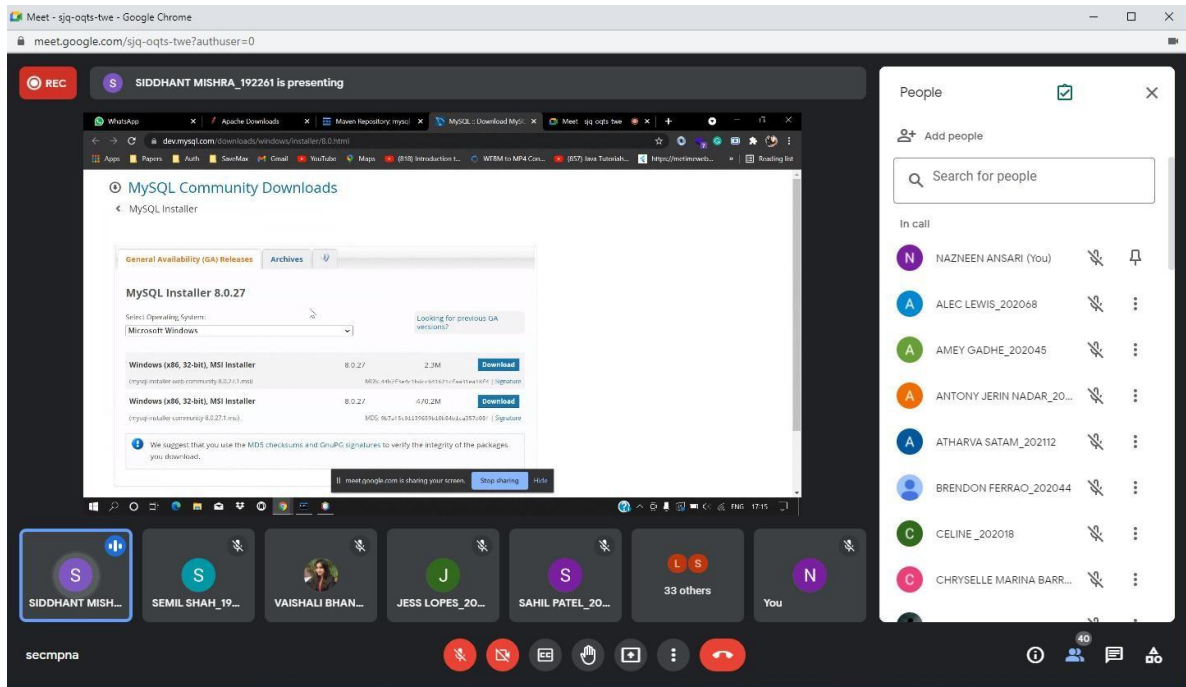
What is a listener in Java?  
How does a listener work in Java?

SEMIL SHAH\_1... SIDDHANT MISH... AMEY GADHE\_2... BRENDON FERR... SAHIL PATEL\_20... 42 others You

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## Day-3





Meet - sjq-oqts-twe - Google Chrome  
meet.google.com/sjq-oqts-twe?authuser=0

REC SIDDHANT MISHRA\_192261 is presenting

WhatsApp Apache Downloads Maven Repository: mysql MySQL: Download MySQL Meet: sjq-oqts-twe

dev.mysql.com/downloads/windows/installer/8.0.html

### MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases Archives

#### MySQL Installer 8.0.27

Select Operating System: Microsoft Windows (Loading for previous GA versions?)

Operating System	Version	Size	Download
Windows (x86, 32-bit), MSI Installer	8.0.27	2.3M	Download
Windows (x86, 32-bit), MSI Installer	8.0.27	470.2M	Download

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

People

Add people

Search for people

In call

- NAZNEEN ANSARI (You)
- ALEC LEWIS\_202068
- AMEY GADHE\_202045
- ANTONY JERIN NADAR\_20...
- ATHARVA SATAM\_202112
- BRENDON FERRAO\_202044
- CELINE\_202018
- CHRYSSELLE MARINA BARR...

Participants: SIDDHANT MISHRA, SEMIL SHAH, VAISHALI BHAN, JESS LOPES, SAHIL PATEL, 33 others, You

secpna

WhatsApp Apache Downloads Maven Repository: mysql MySQL: Download MySQL Meet: sjq-oqts-twe

dev.mysql.com/downloads/windows/installer/8.0.html

```
MySQL 8.0 Command Line Client
Query OK, 1 row affected (0.06 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| javajdbc |
| jdbcseminar |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
8 rows in set (0.00 sec)

mysql> use javajdbc;
Database changed
mysql>
```



The screenshot shows a Google Meet window with a presentation of a code editor. The code is as follows:

```

// jdbc.java
import java.sql.*;

public class jdbc {
    // check if table is created or not
    public void checkTable() {
        try {
            System.out.println("Main Method");
            String url = "jdbc:mysql://localhost:3306/jdbc";
            String user = "root";
            String password = "root";
            Connection con = DriverManager.getConnection(url, user, password);
            System.out.println("Value is printed");
        } catch (Exception e) {
            System.out.println(e);
        }
    }

    // query to create a table in database
    public void createTable() {
        String query = "create table adminar (rollno int, first_name varchar(20), last_name varchar(20))";
        try {
            Statement stmt = con.createStatement();
            stmt.executeUpdate(query);
            System.out.println("table created");
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}

```

The output console shows: "connection established", "table create", "table inserted", and "MYSQL JDBC Driver (total time: 1 second)".

The meeting interface includes a 'People' list on the right with participants like ROSHAN NADAR\_202084, SAHIL PATEL\_202097, SEMIL SHAH\_192262, SEONA DABRE\_202025, SIDDHANT MISHRA\_192261, SIMSON MASTAN\_202075, TEJAS BEDRE\_202011, VAISHALI BHANDARKAR, and VENDRELL MENDONCA\_2...

The screenshot shows a Google Meet window with a grid of participants and an 'In-call messages' panel on the right.

The 'In-call messages' panel contains the following text:

Messages can only be seen by people in the call and are deleted when the call ends.

No\*

PARBAT SINGH RAJPUROHIT\_202107 5:48 PM  
no

SIDDHANT MISHRA\_192261 6:13 PM  
<https://notepad.ov/jDBCConnection>

ELBIN THOMAS\_202040 6:13 PM  
nope

ELBIN THOMAS\_202040 6:30 PM  
mujhe run karne par access denied karke bata raha he to use resolve karne ke liye kya karu.??  
netbeans  
yup

ELBIN THOMAS\_202040 6:32 PM  
ok

Send a message to everyone

The meeting interface includes a grid of participants and a bottom toolbar with icons for mute, video, chat, and other controls.

**Dr Nazneen Ansari.**  
In charge Workshop

**Dr. Kavita Sonawane**  
HOD, CMPN