



**K J Somaiya Institute of Management  
Studies and Research  
Vidyavihar, Mumbai – 400 077**

Masters in Computer Applications  
Semester II (2019 – 22)

This is to Certify that **Vaidehi Kulkarni** Roll No. **17** of MCA has completed her **Android Application Development Lab** Journal as per the Syllabus for the Academic year 2019 – 22. The Journal has also been evaluated by the concerned faculty of SIMSR.

Signature of Faculty In-charge

Signature of the Course  
Coordinator – MCA

Signature of the External  
Examiner

Date: 1<sup>st</sup> July 2020

## Android Journal

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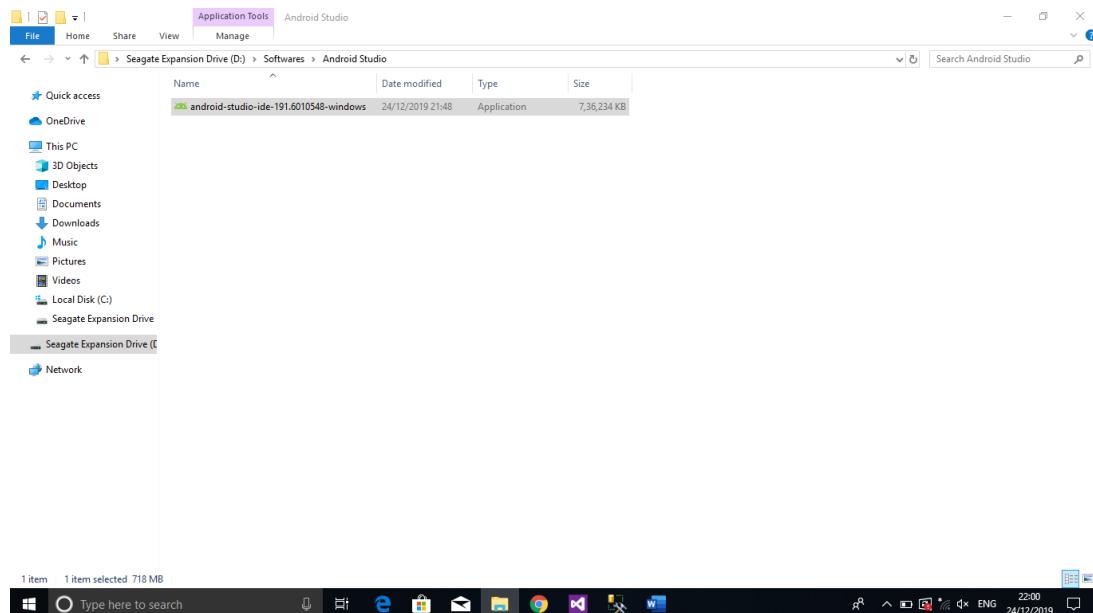
## Practical 1

**Objective- Installing Android Studio and managing SVD and AVD**

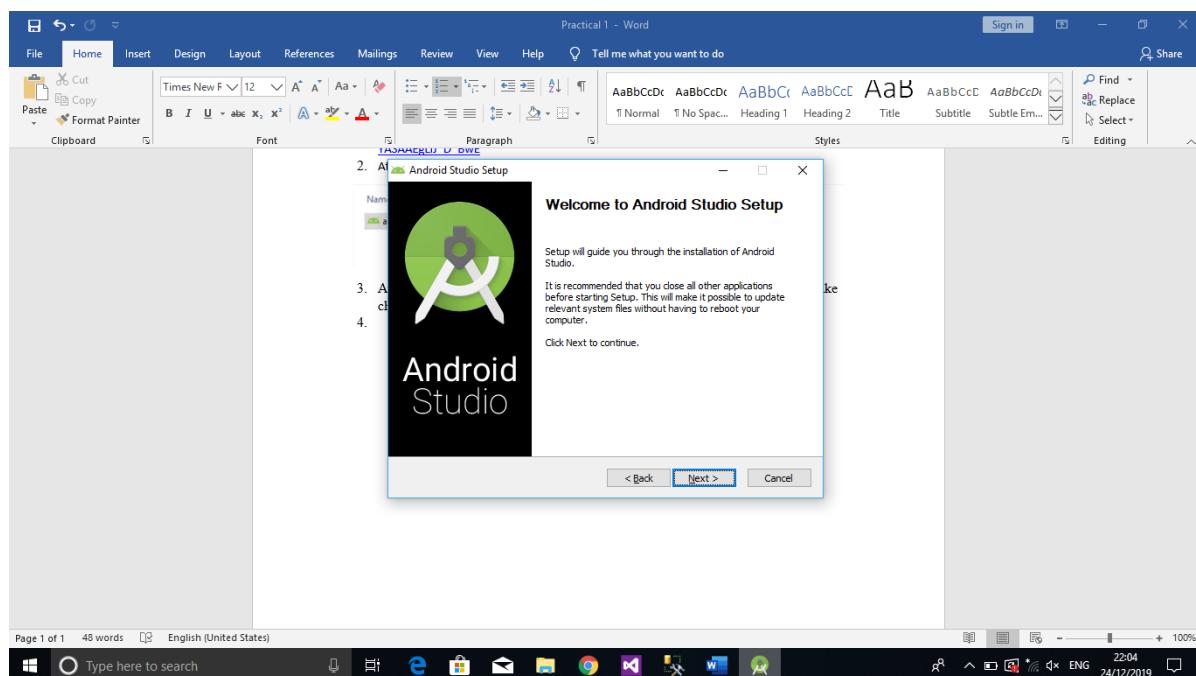
**Date: 24/12/2019**

Steps –

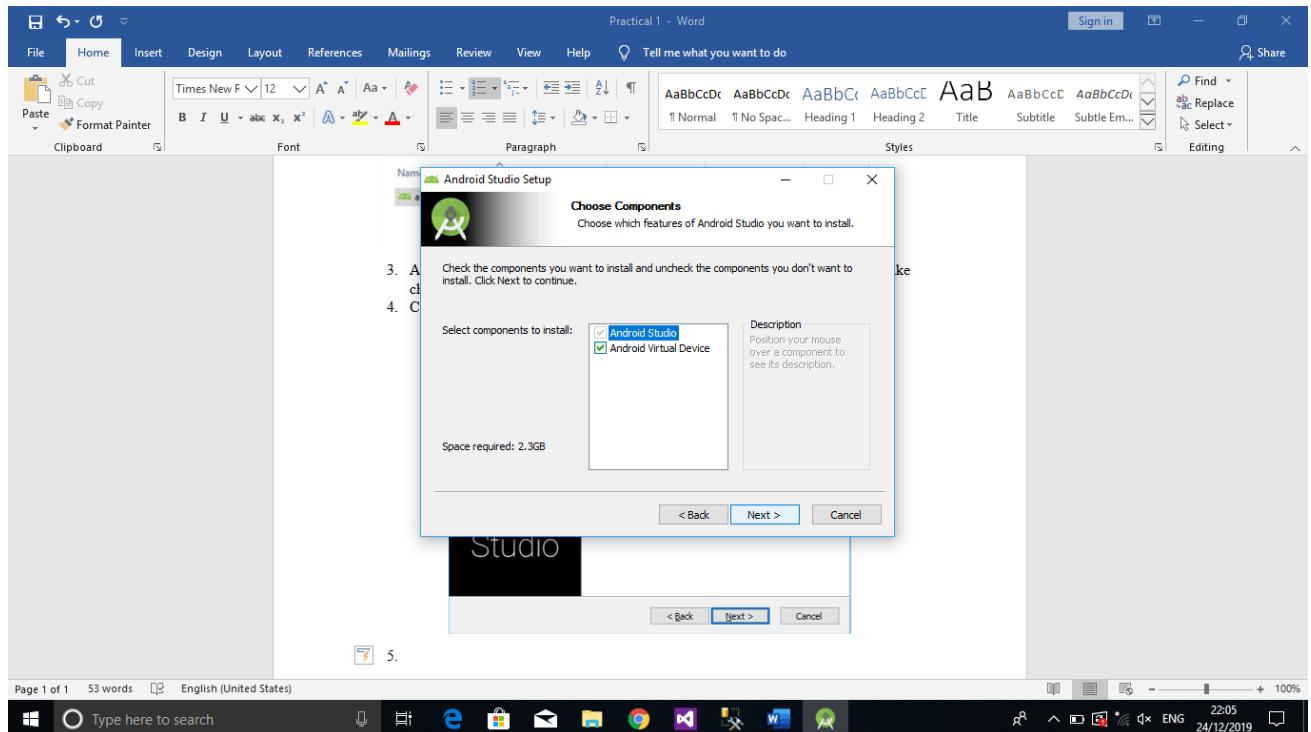
1. Download Android Studio from link  
[https://developer.android.com/studio?gclid=EAIAIQobChMIRIqJhuvN5gIVkjUrCh3HZwhtEAYASAAgLiJ\\_D\\_BwE](https://developer.android.com/studio?gclid=EAIAIQobChMIRIqJhuvN5gIVkjUrCh3HZwhtEAYASAAgLiJ_D_BwE)
2. After download completes double click on file.



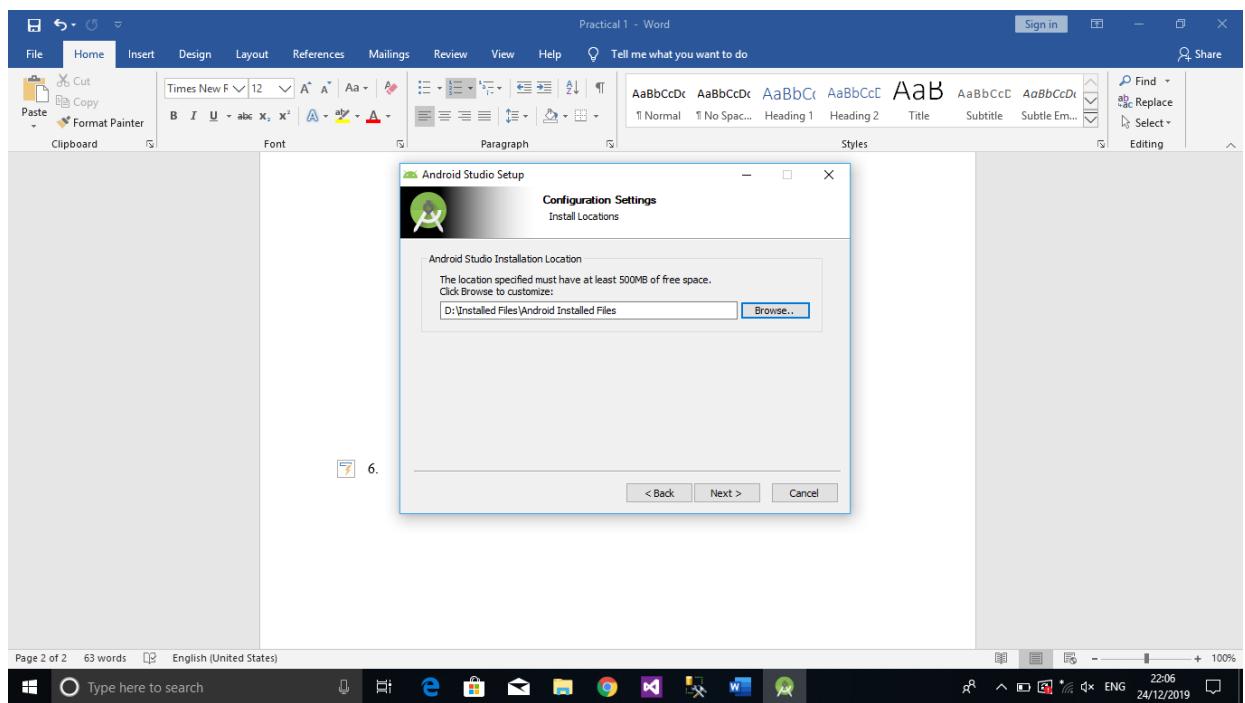
3. A confirm box will appear which will ask “Do you want to allow this app to make changes to your device?”. Click on Yes button.
4. Click on Next button.



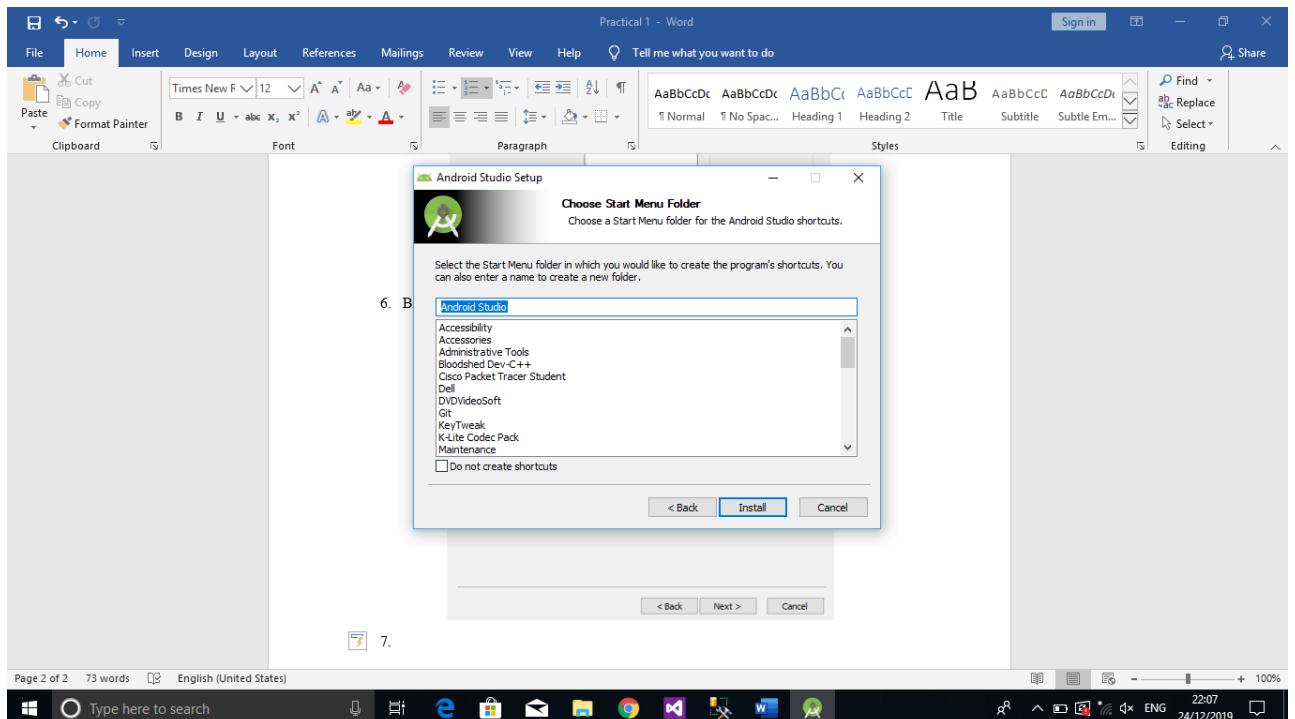
5. Select checkbox **Android Virtual Device** and click on **Next**.



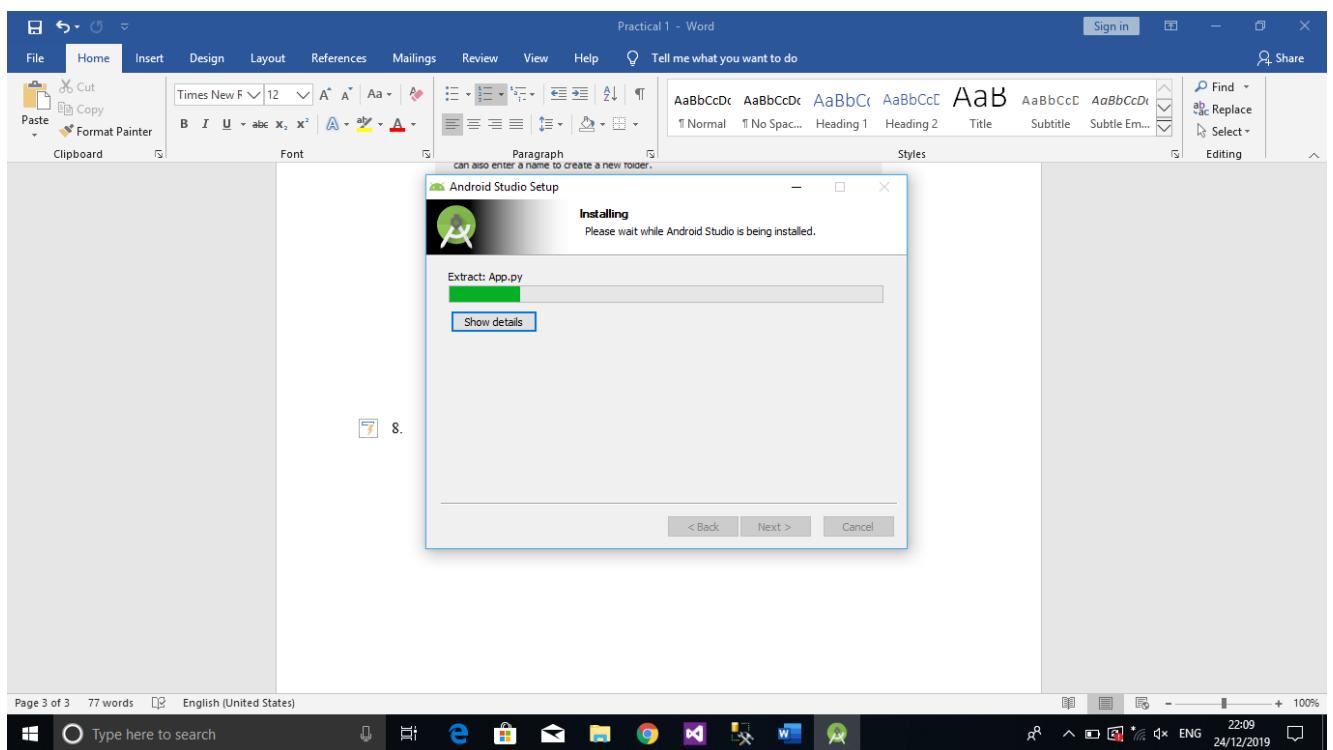
6. Browse and select Installation Location and click on **Next**.



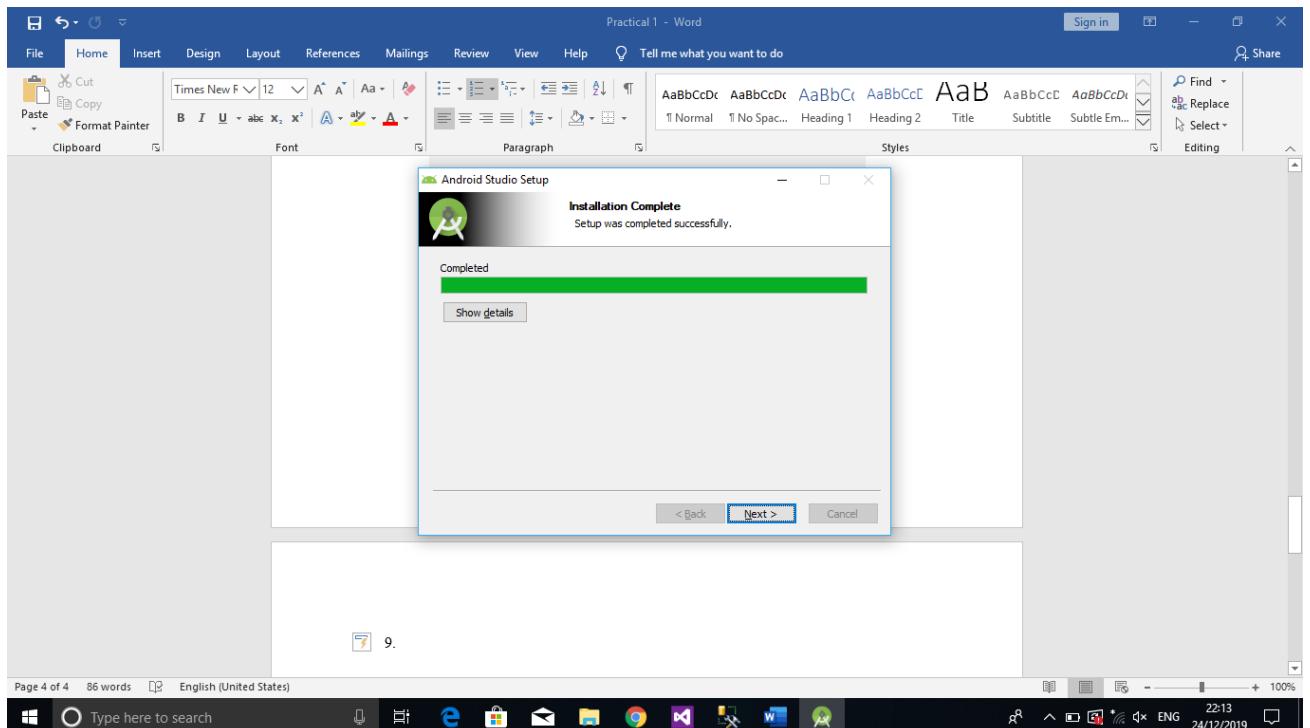
7. Click on **Install**.



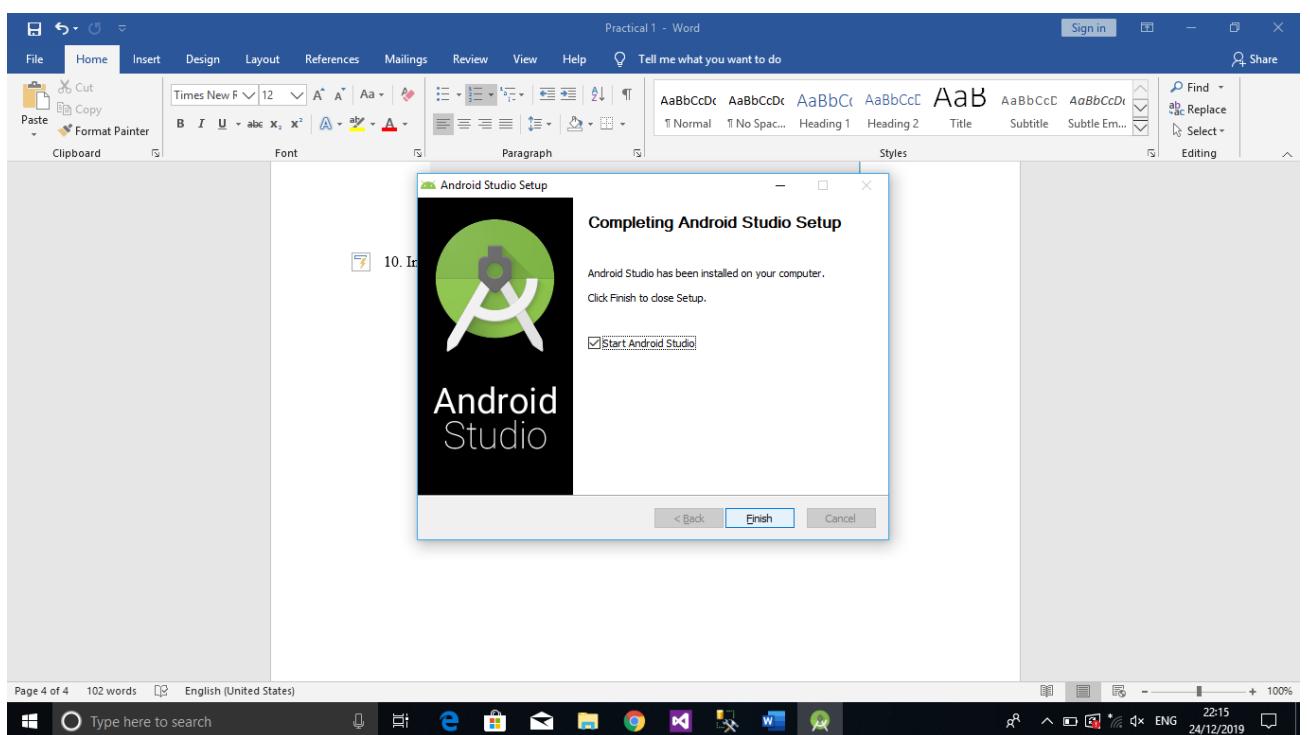
8. It will take some time to complete installation.



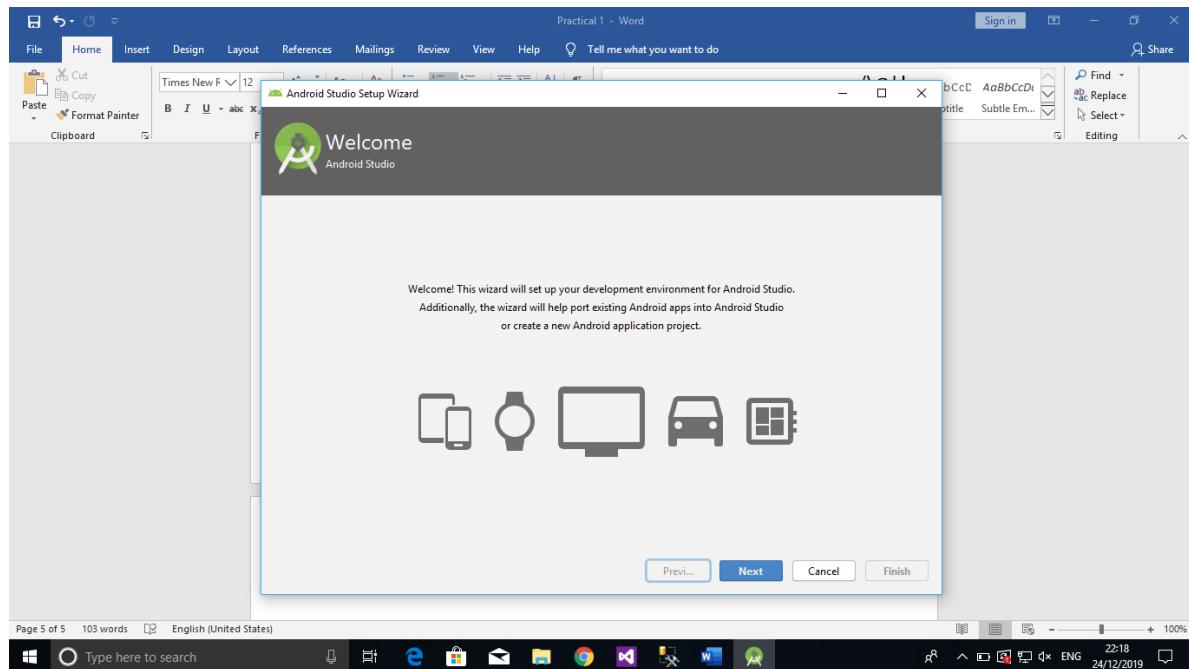
9. After installation completes, click on **Next**.



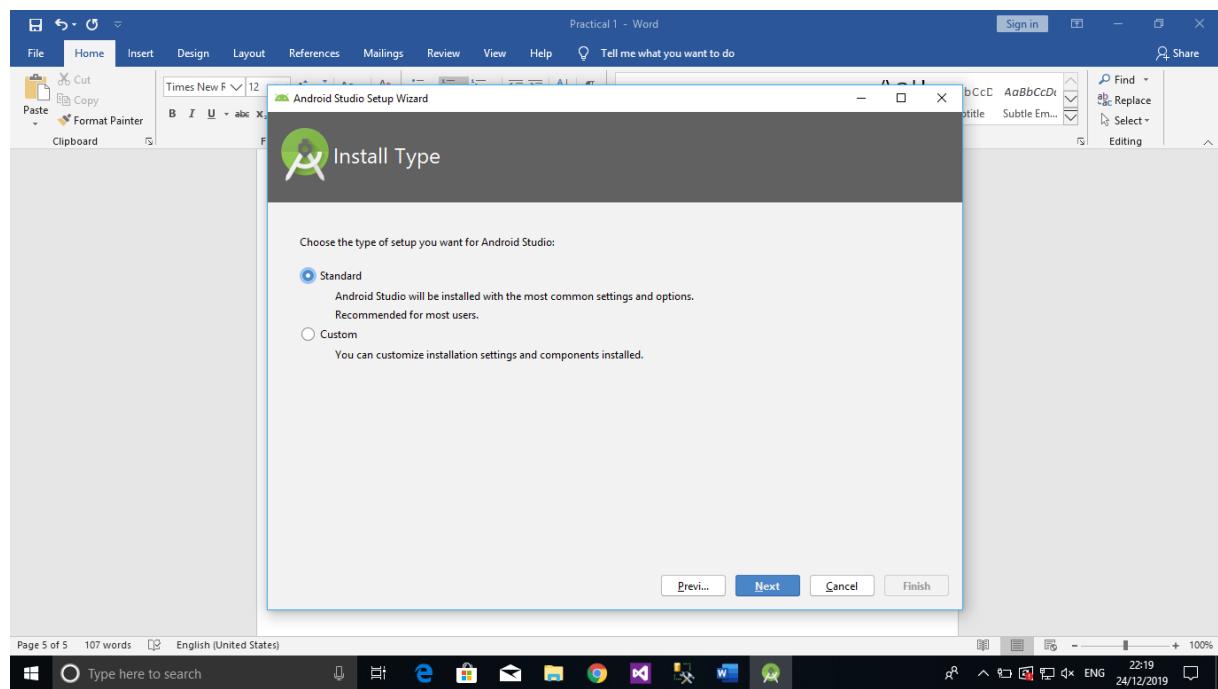
10. In the next dialogue box, click on **Finish** button.



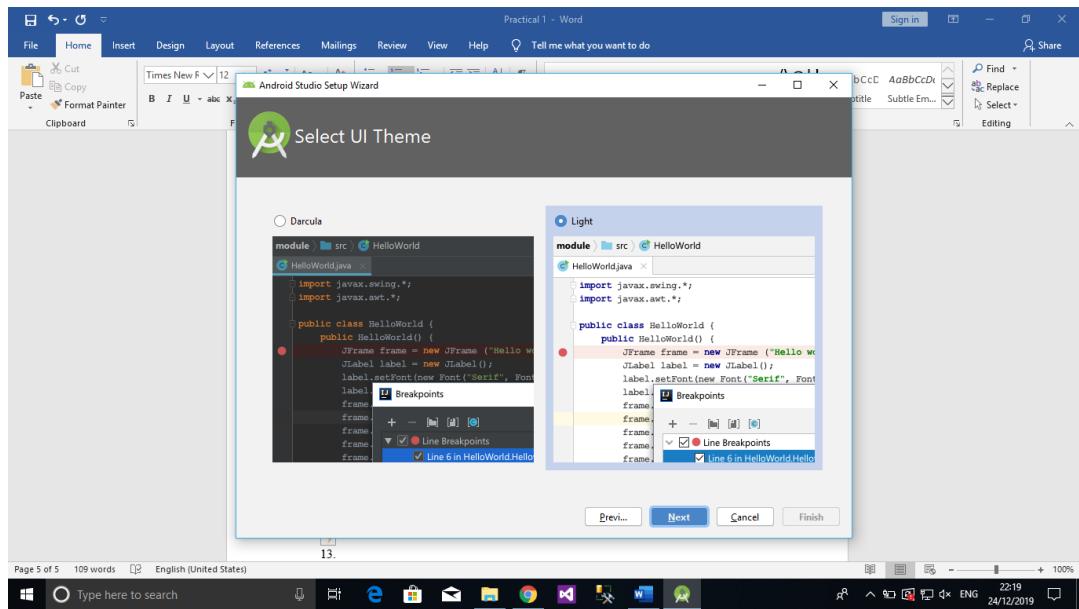
11. Setup Wizard dialogue box will appear. Click on **Next**.



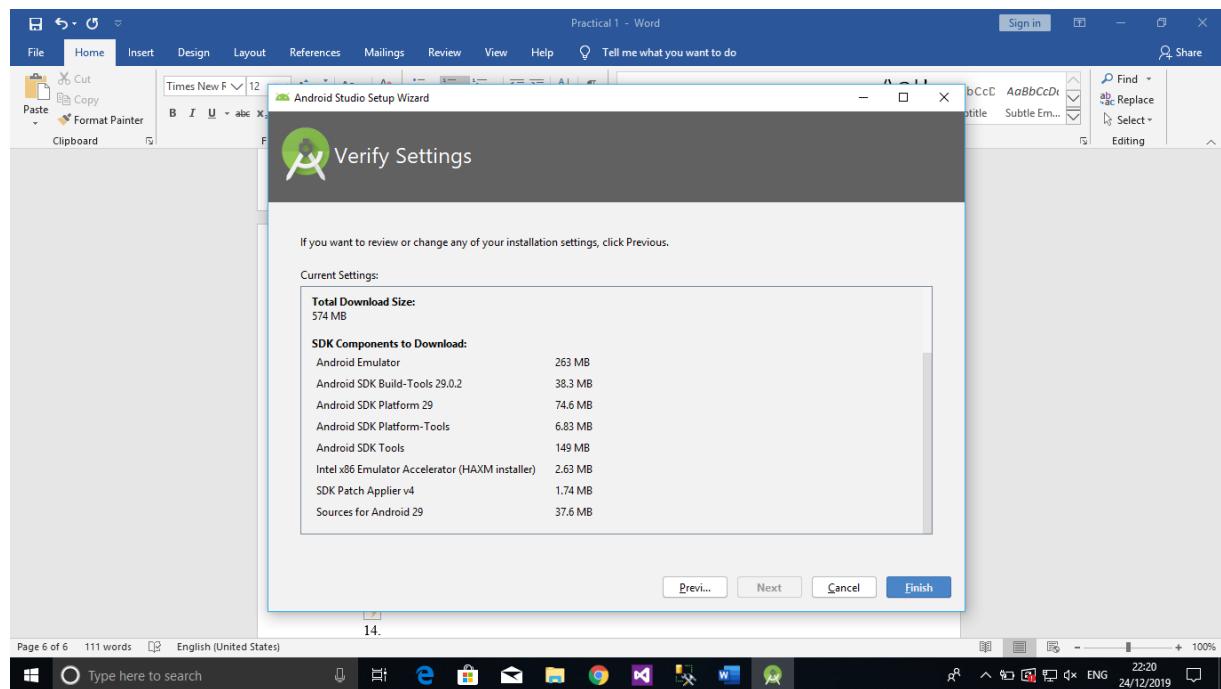
12. Select radio button **Standard** and click on **Next**.



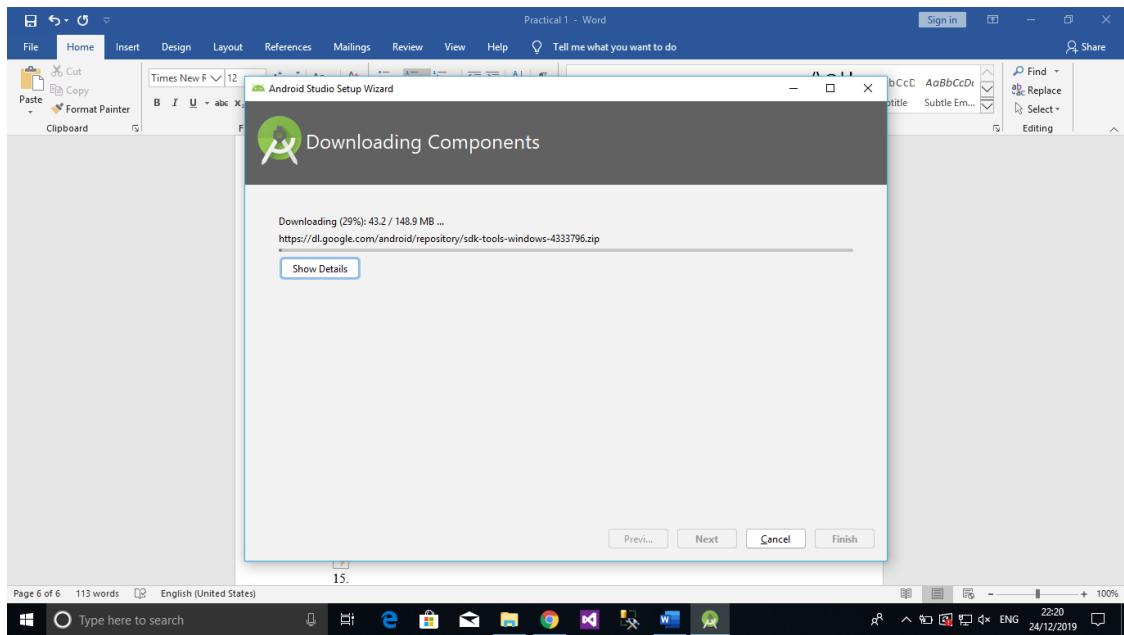
**13. Select Light theme and click Next.**



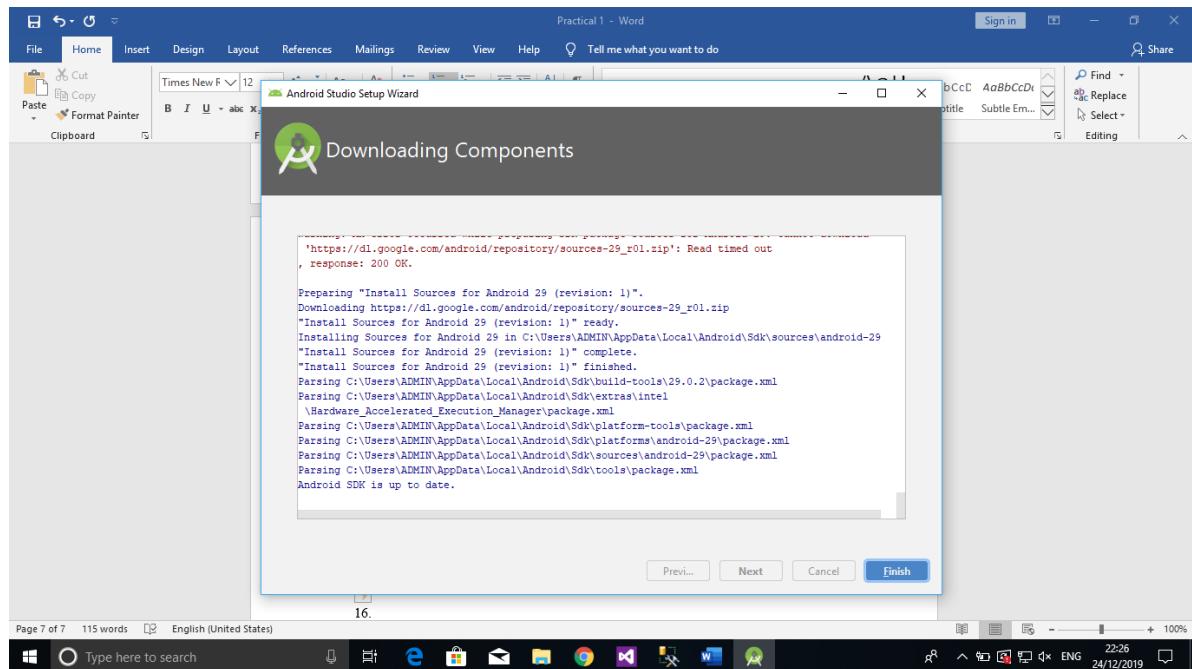
**14. Click on Finish.**



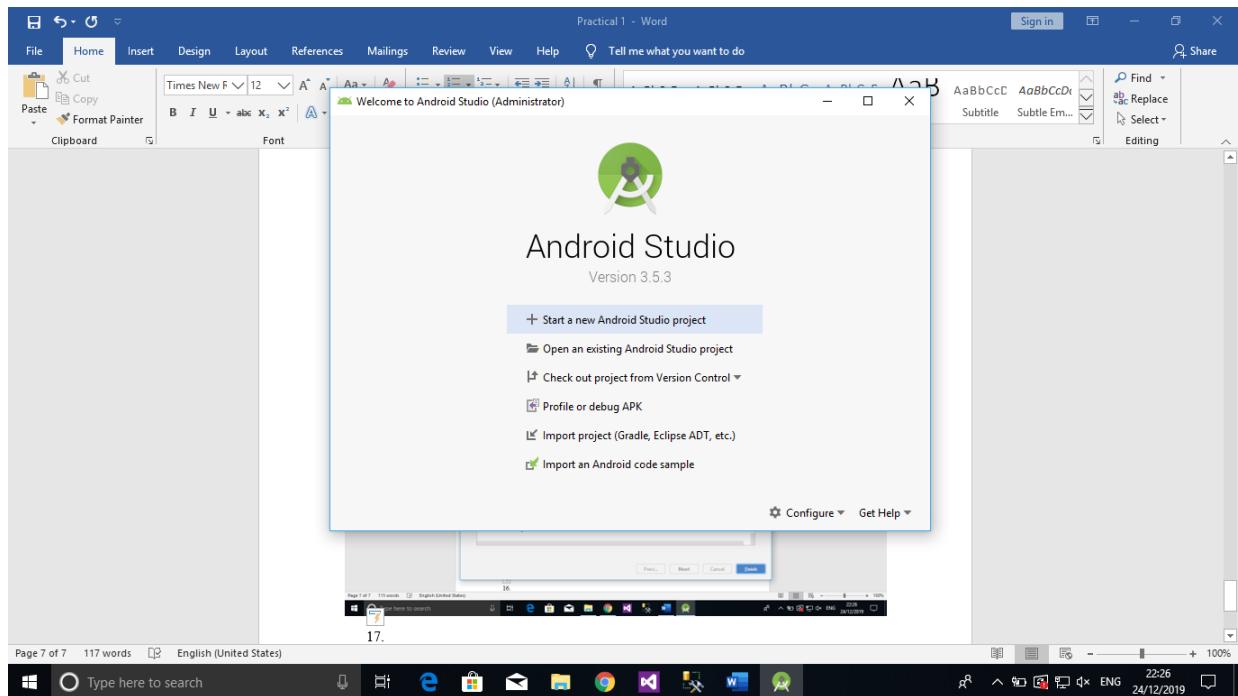
15. Wait for some time till the components get downloaded and unzipped.



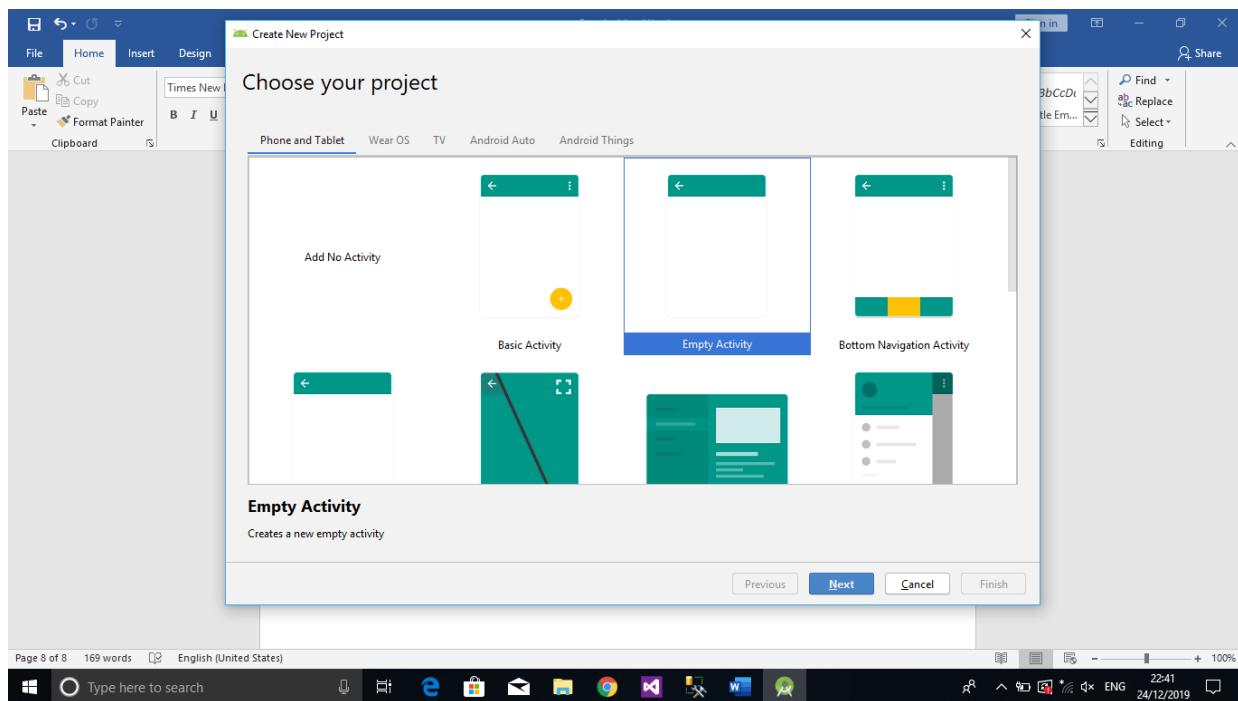
16. Click on **Finish** after components gets downloaded and unzipped.



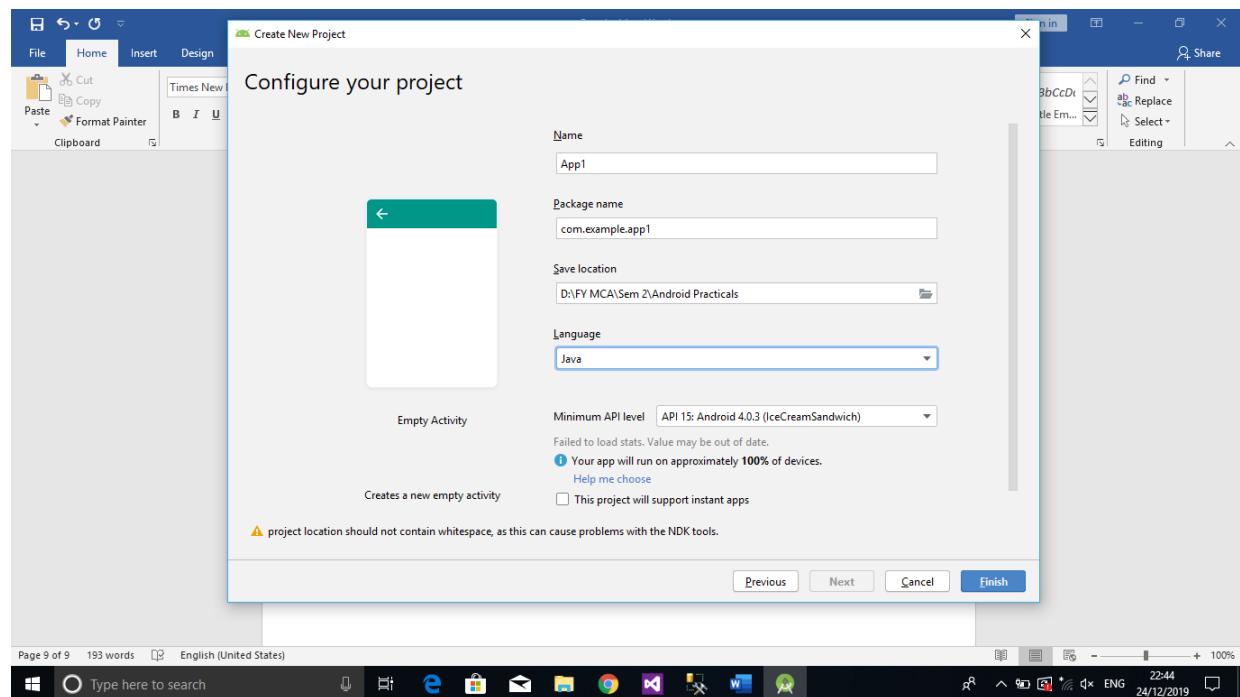
17. Ready to create android projects. Click on **Start a new Android Studio project**.



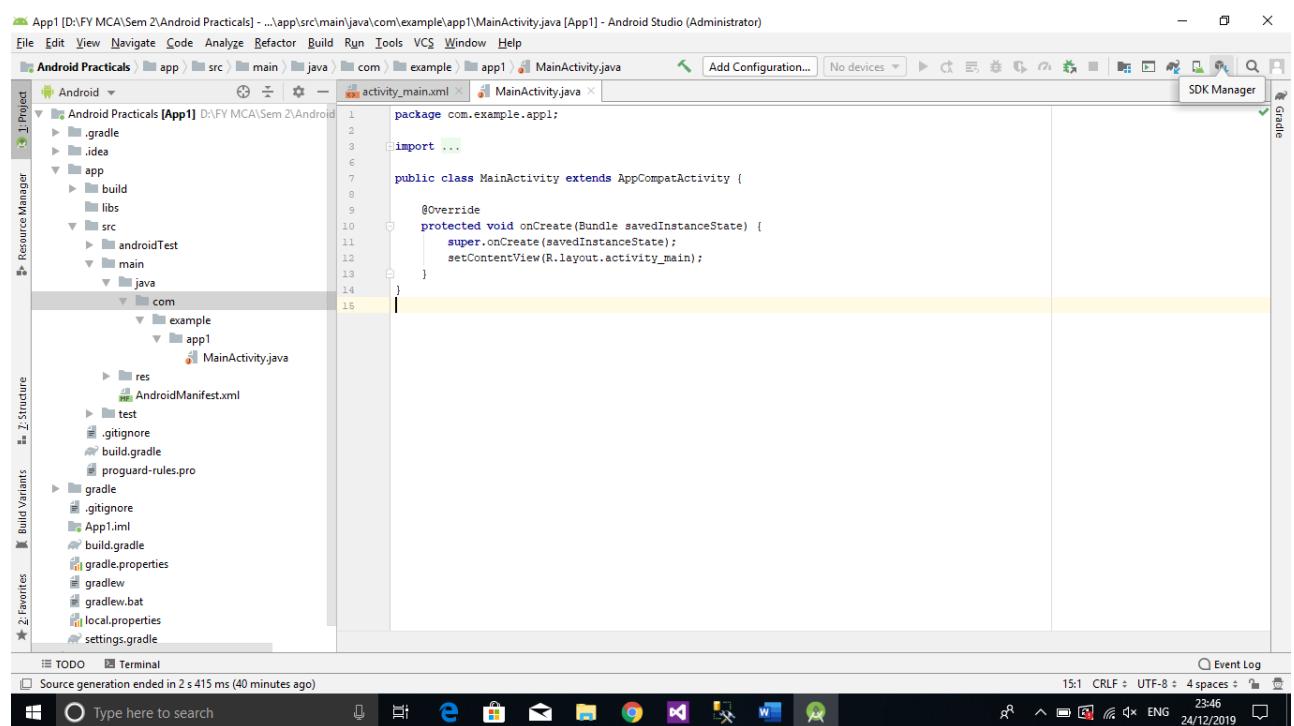
18. Select **Empty Activity** and click on **Next**.



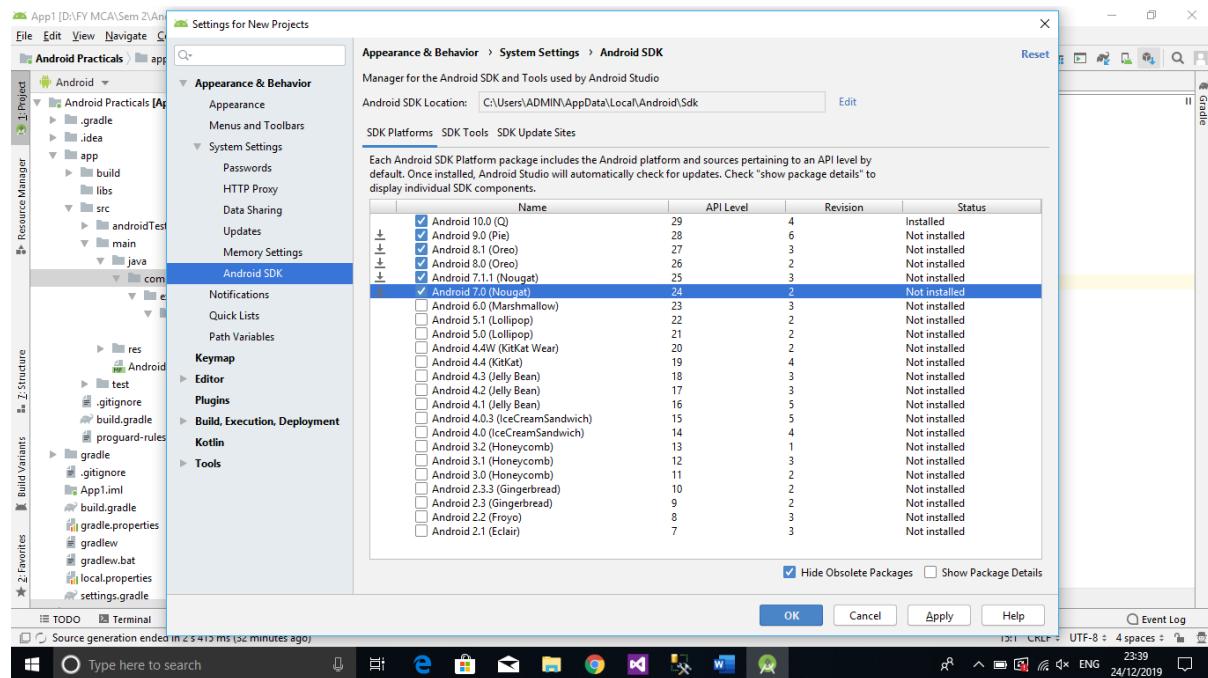
19. Enter Project Name, Browse and select Save location, select Language as Java and click on **Finish**.



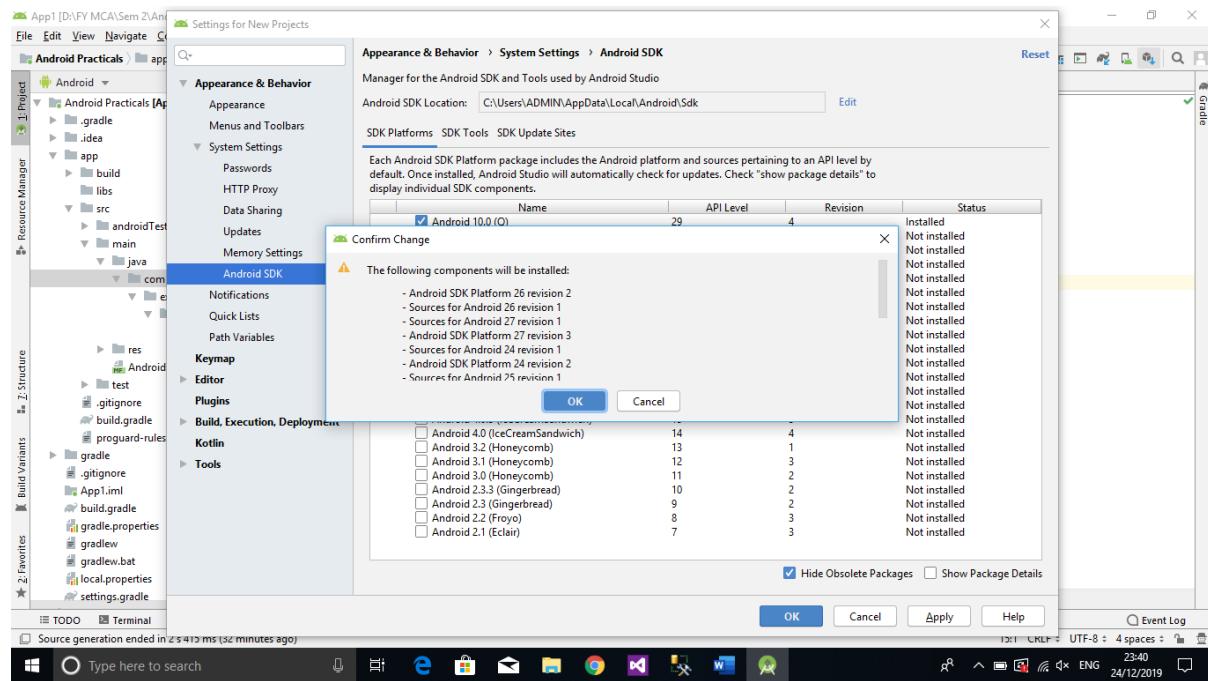
20. After processes gets completed. Go to SVD Manager.



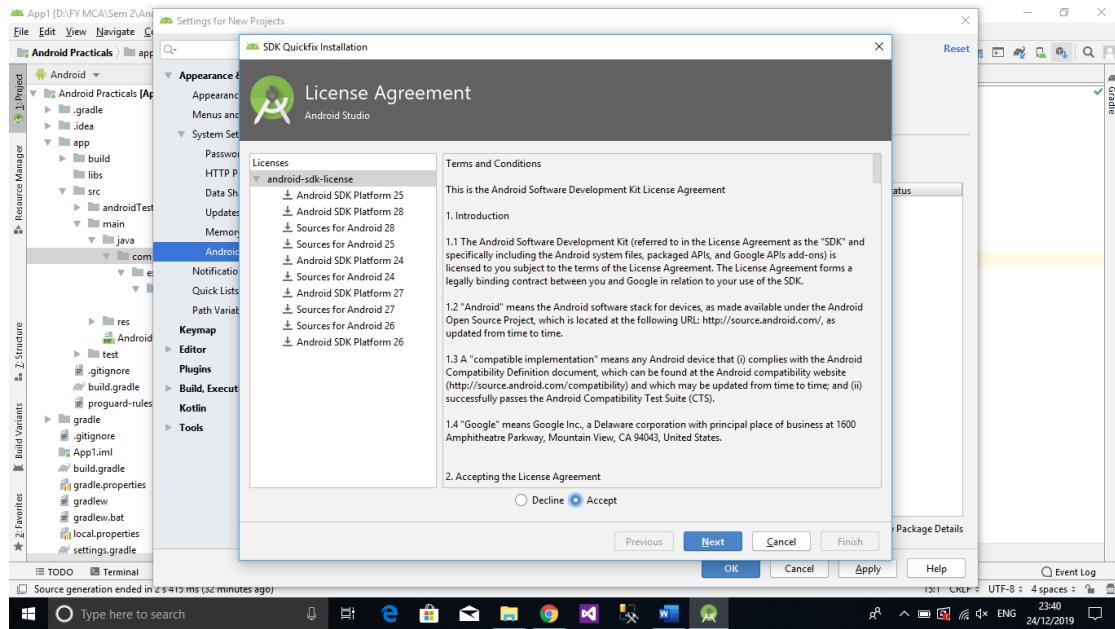
21. Select android 7.0, 7.1.1, 8.0, 8.1 and 9.0 & click on OK.



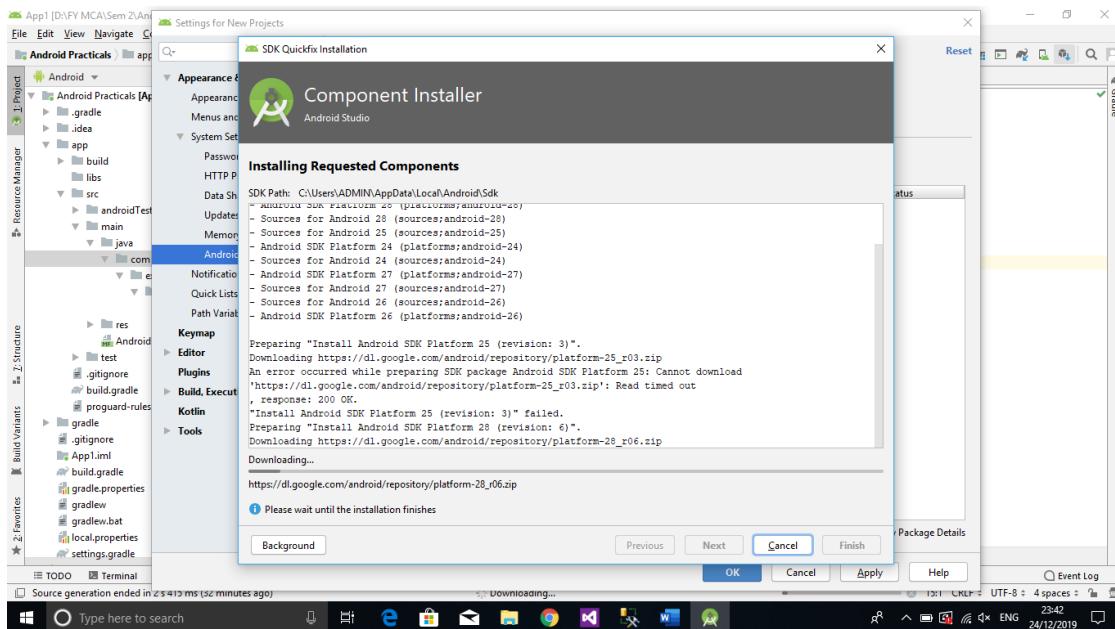
22. Click on OK.



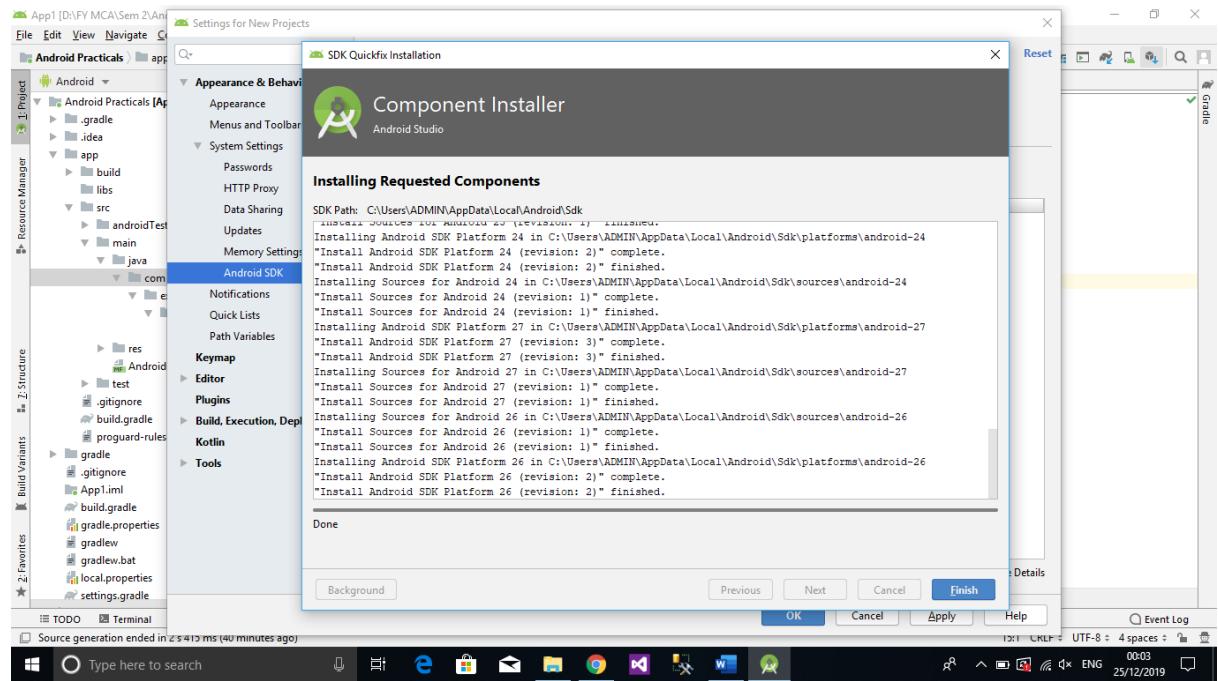
## 23. Accept.



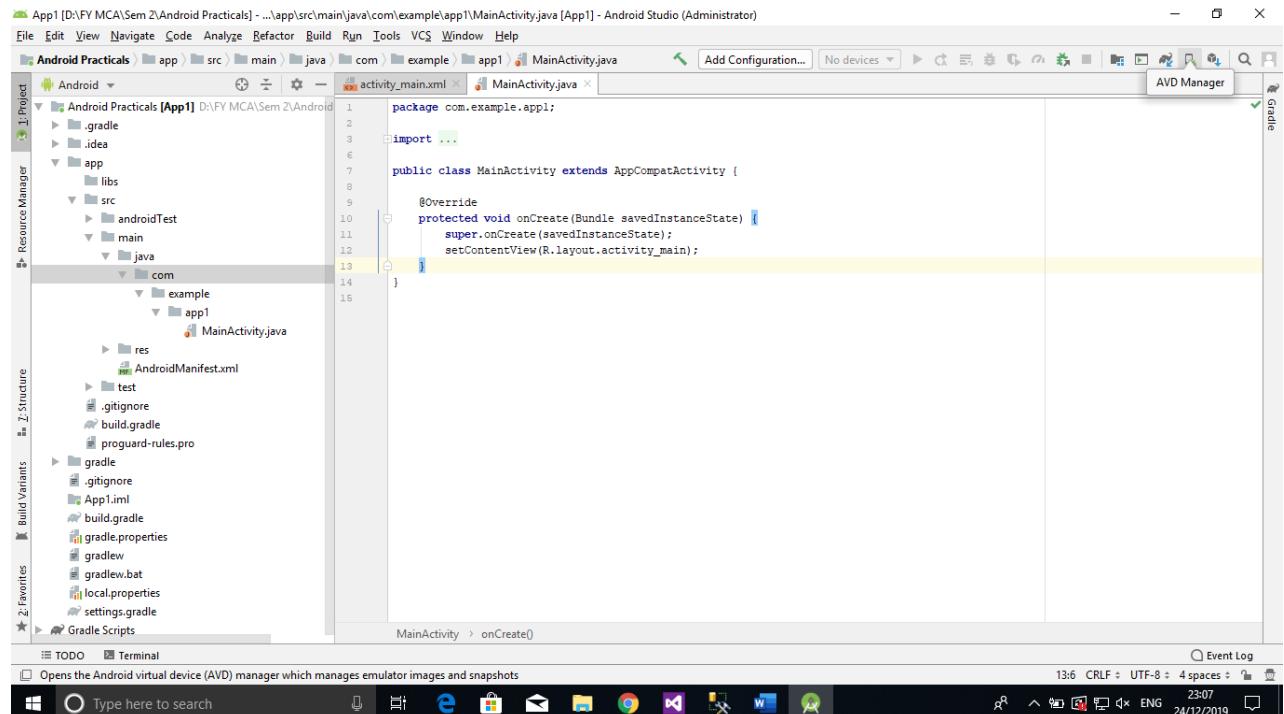
## 24. Wait for some time.



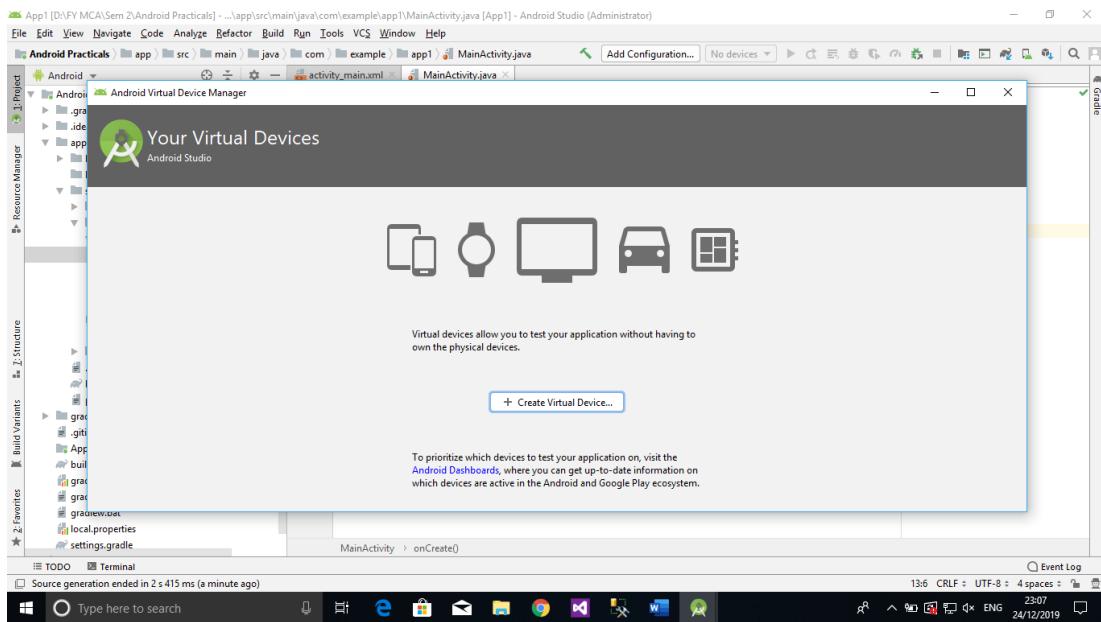
25. Click on Finish.



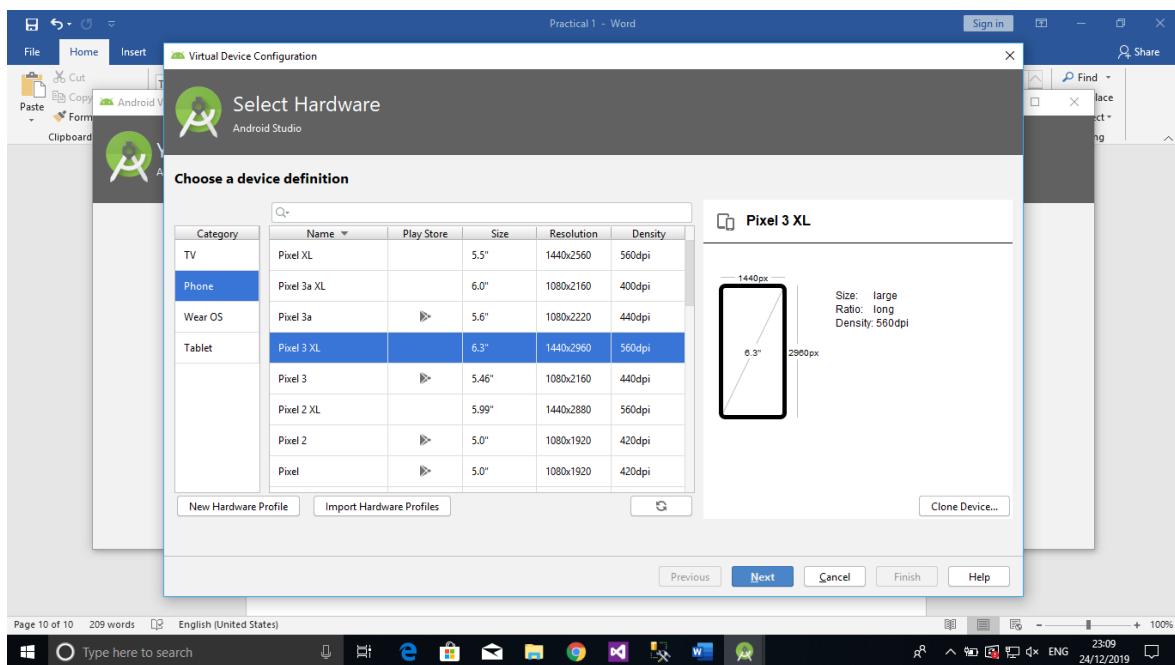
26. After processes gets completed. Go to AVD Manager.



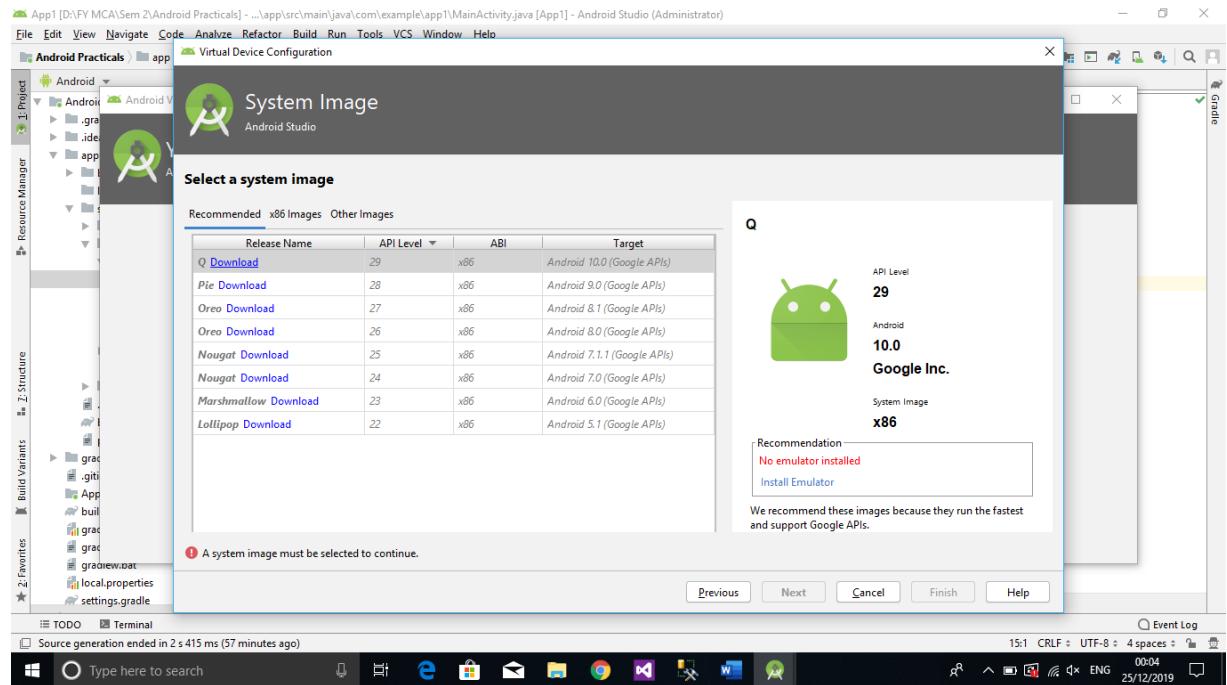
27. Click on Create Virtual Device...



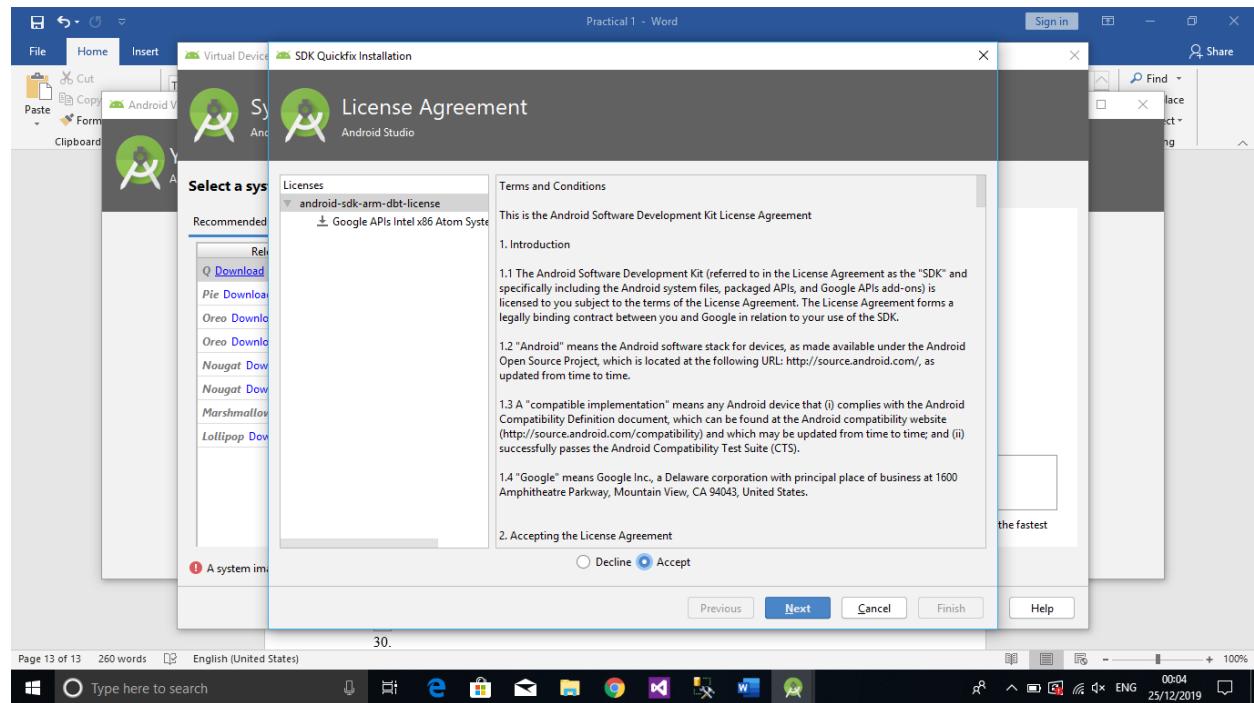
28. Select Pixel 3 XL and click on Next.



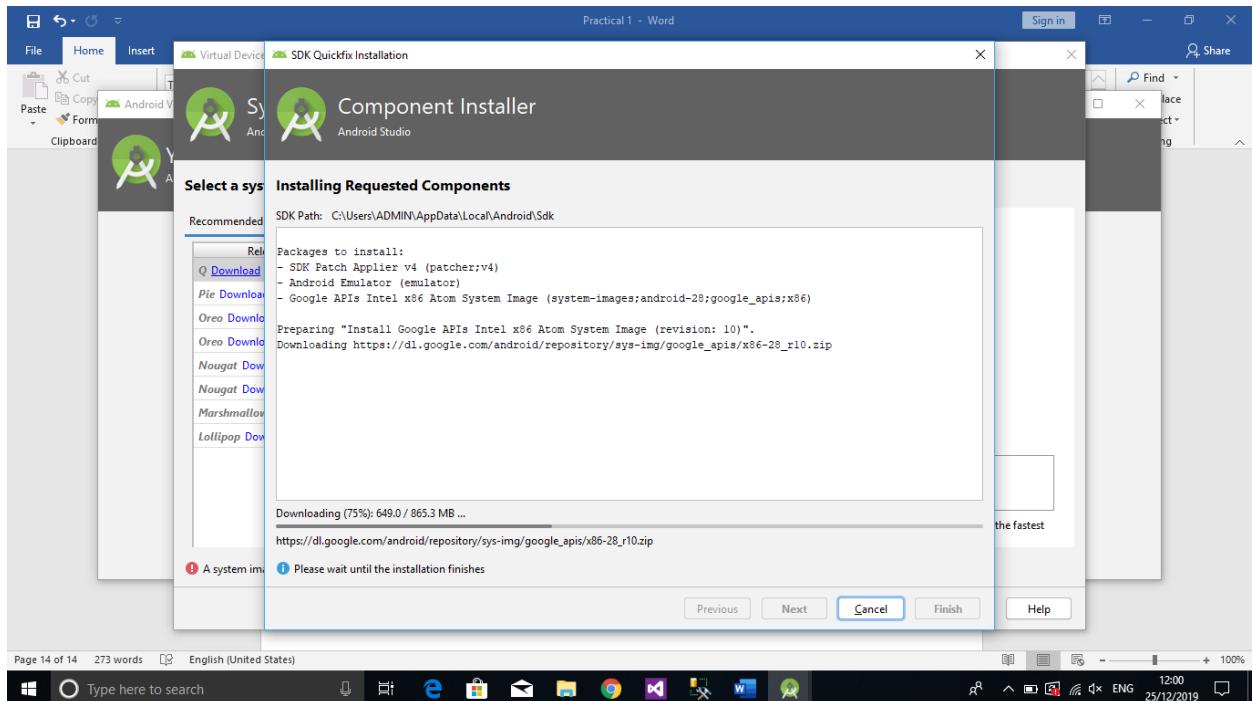
29. Click on Pie Download.



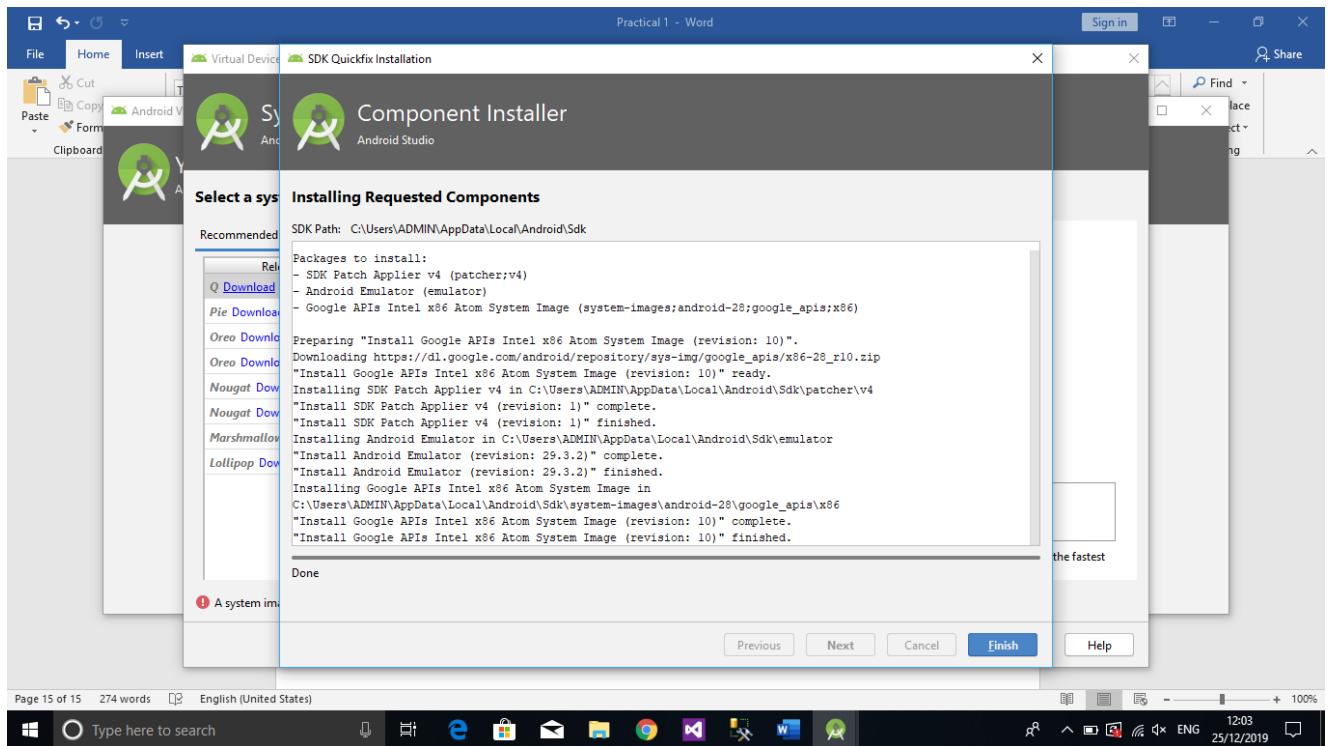
30. Select radio button Accept and click on Next.



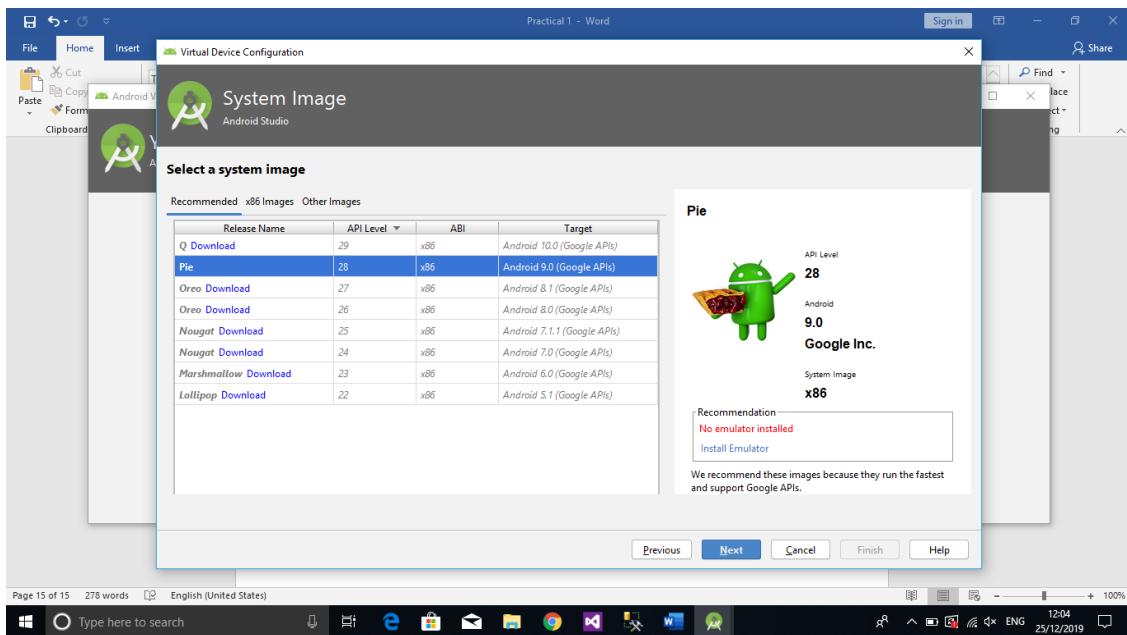
31. Wait for some time.



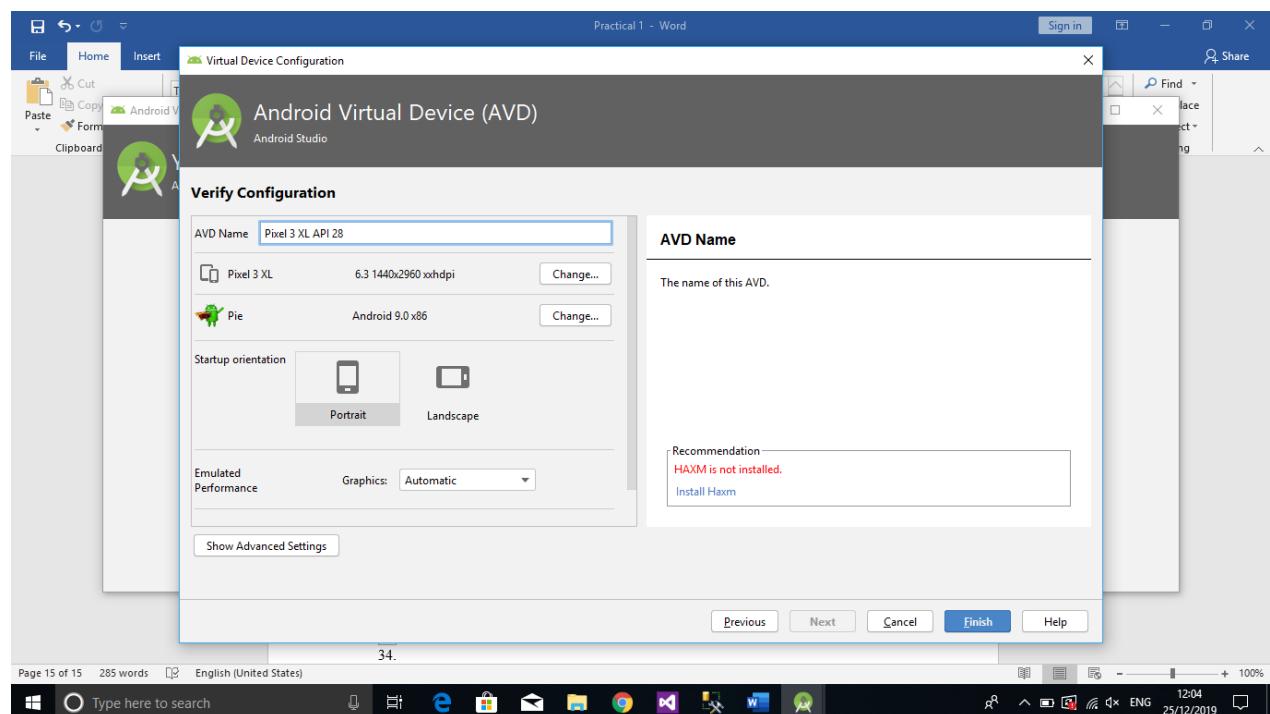
32. Click on Finish.



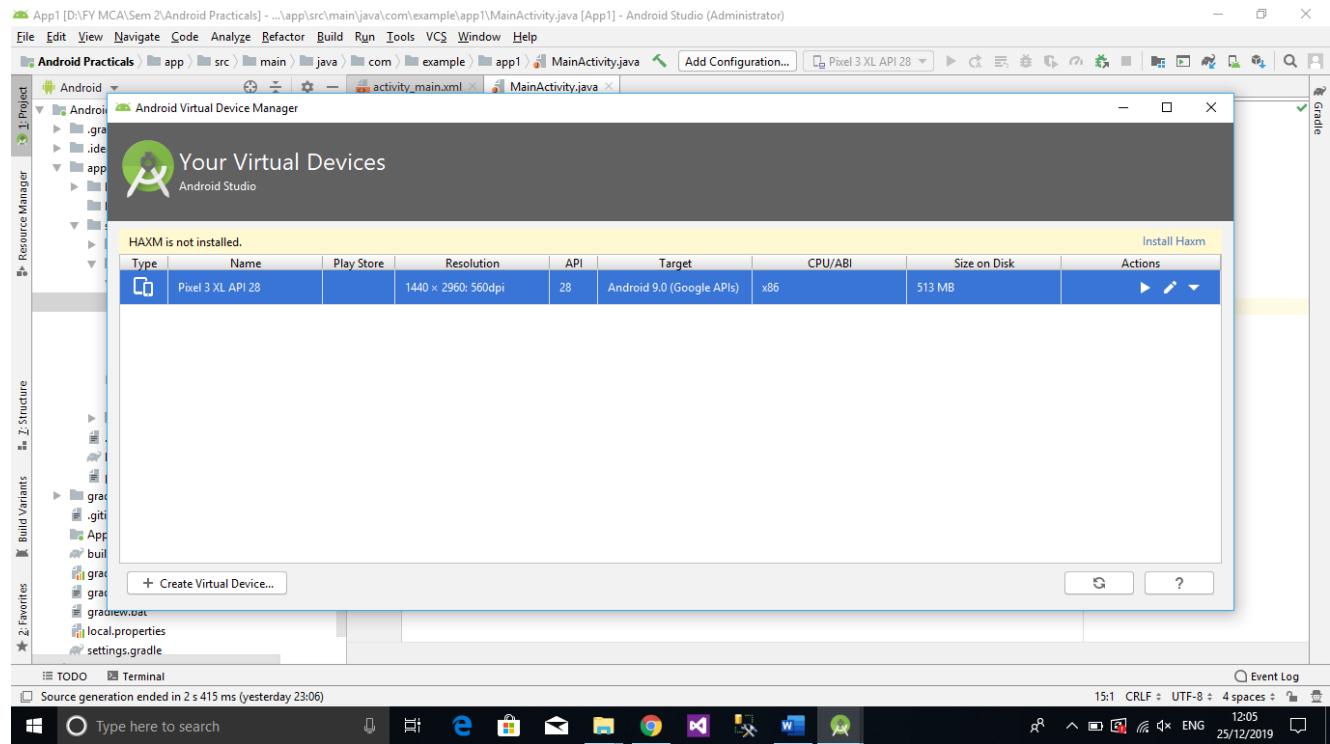
33. Select Pie and click on Next.



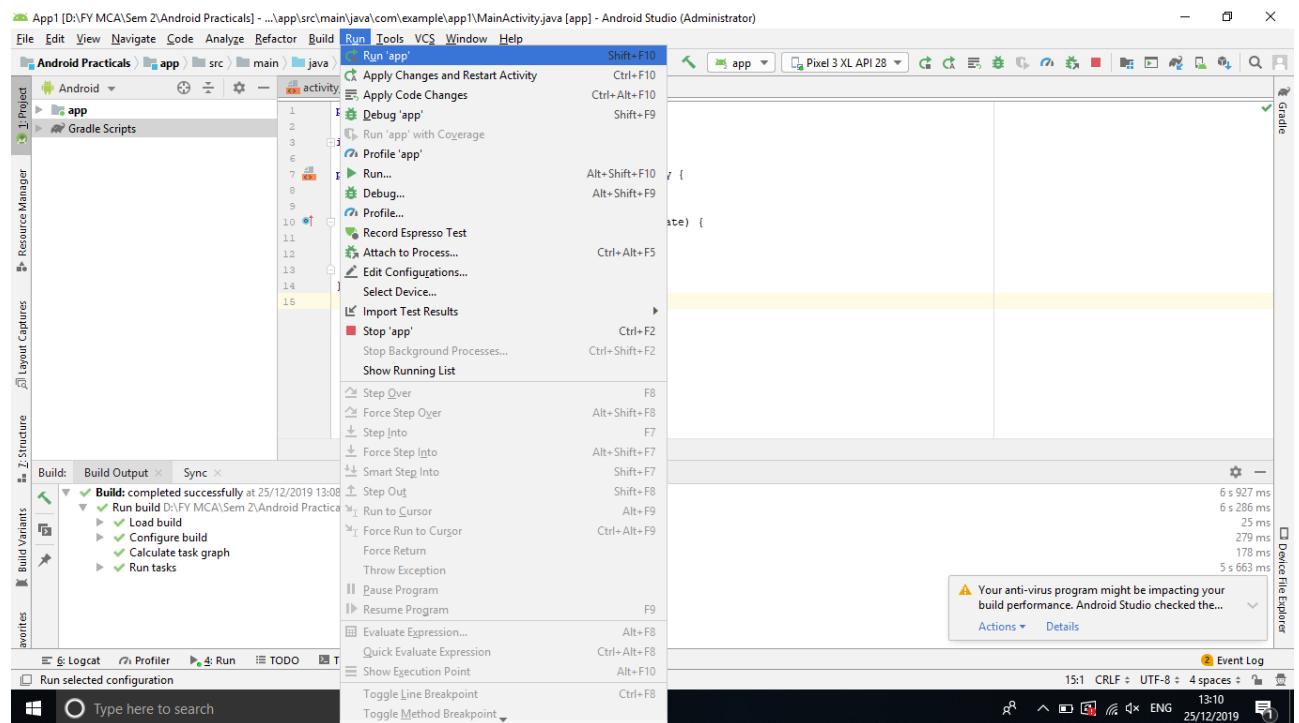
34. Click on Finish.

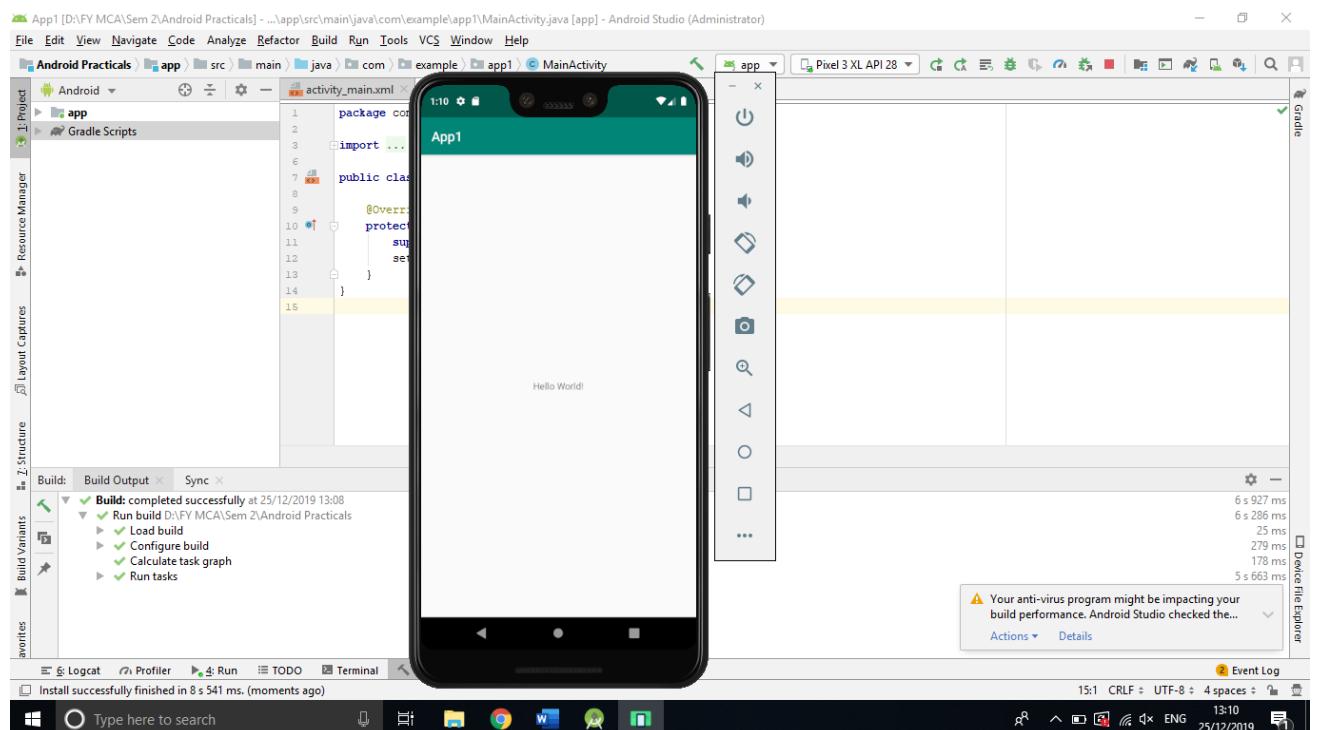


### 35. Close the window.



### 36. Run your Application,



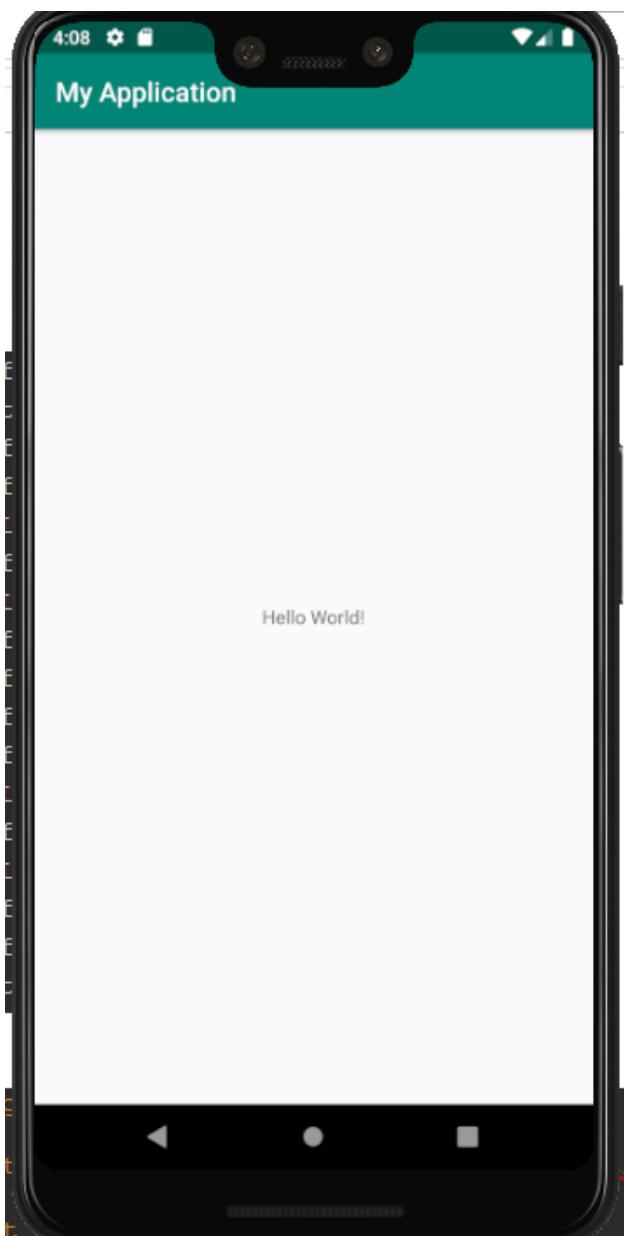


## Practical 2

**Objective- Activity Lifecycle**

**Date:** 24/12/2019

**GUI**



**CODE**

**Java file**

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;

public class MainActivity extends AppCompatActivity {

    @Override
```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    Log.d("lifecycle", "onCreate()");
}

@Override
protected void onStart() {
    super.onStart();
    Log.d("lifecycle", "onStart()");
}

@Override
protected void onPause() {
    super.onPause();
    Log.d("lifecycle", "onPause()");
}

@Override
protected void onStop() {
    super.onStop();
    Log.d("lifecycle", "onStop()");
}

@Override
protected void onRestart() {
    super.onRestart();
    Log.d("lifecycle", "onRestart()");
}

@Override
protected void onDestroy() {
    super.onDestroy();
    Log.d("lifecycle", "onDestroy()");
}

```

#### **xml file**

```

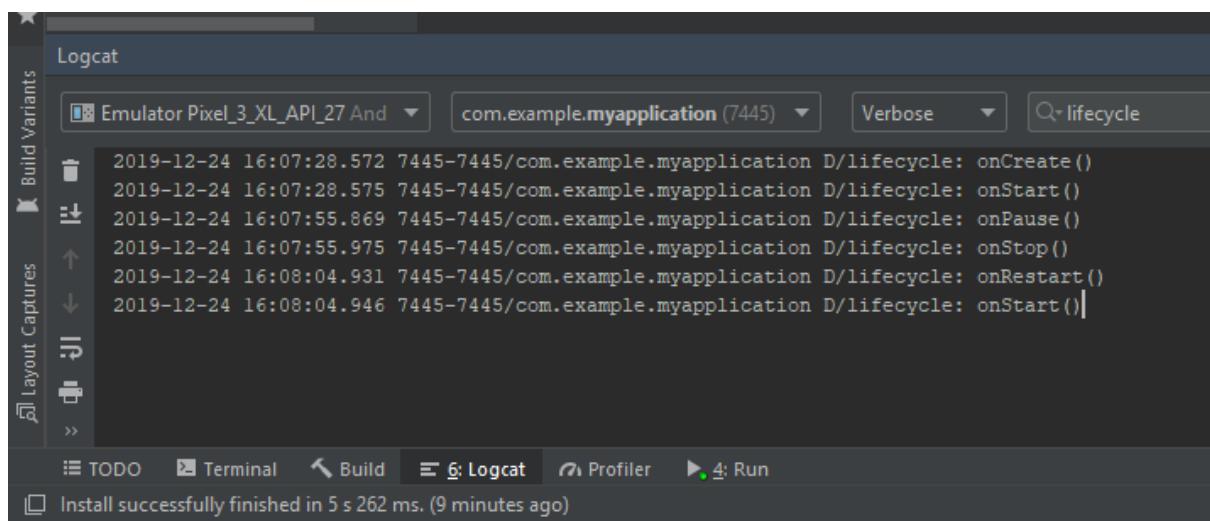
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"

```

```
    app:layout_constraintTop_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

## OUTPUT



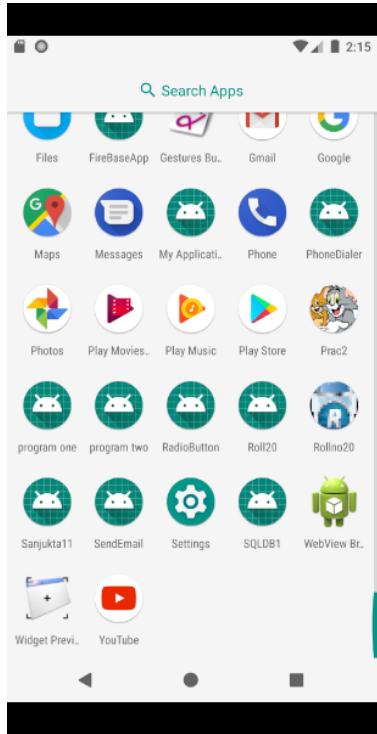
## Practical 3

**Objective- Working with EditText, TextView and Button**

**Date:** 27/12/2019

### a.Changing Icon of Application

#### GUI



#### Code

##### **AndroidManifest.xml**

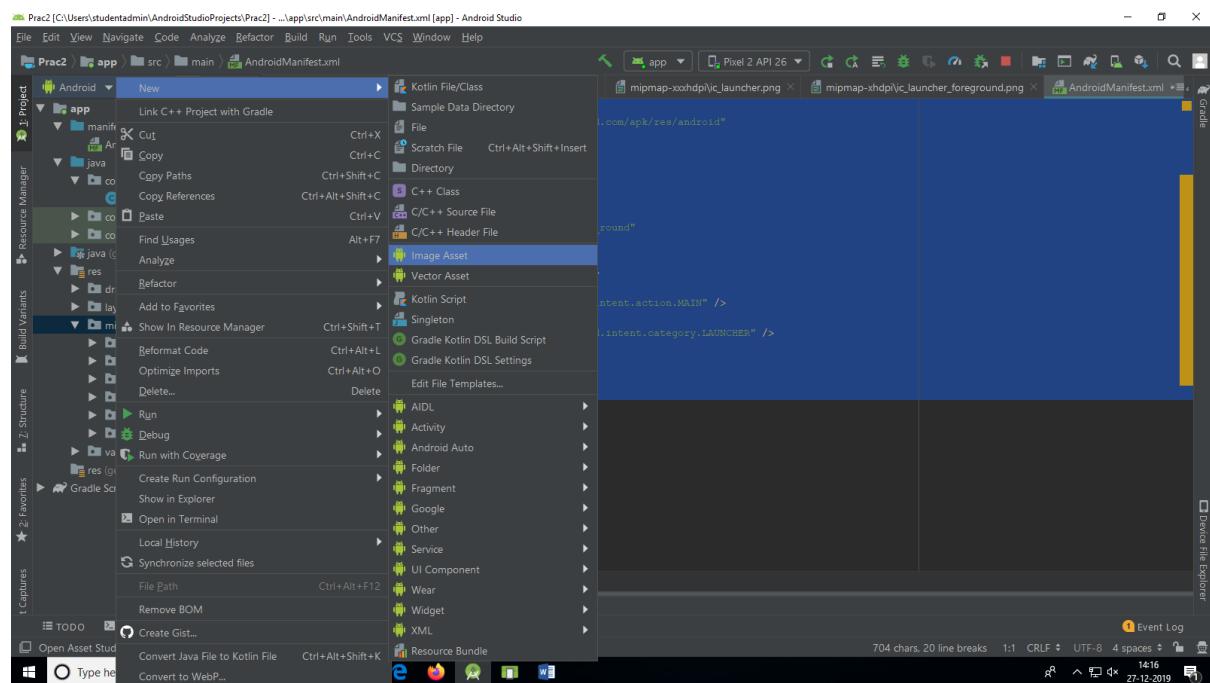
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.prac2">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/logo"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

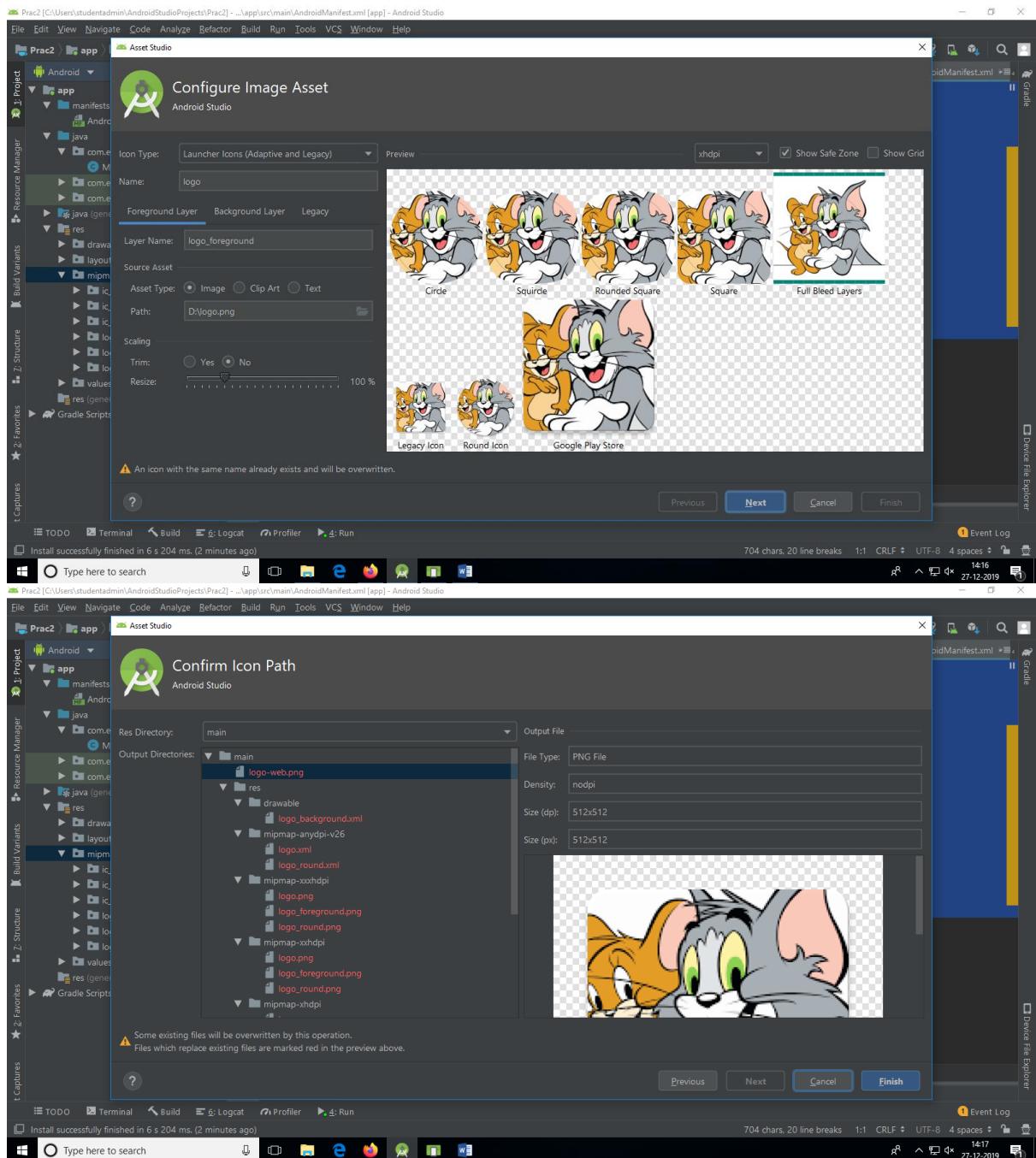
</manifest>
```

## Adding image asset icon

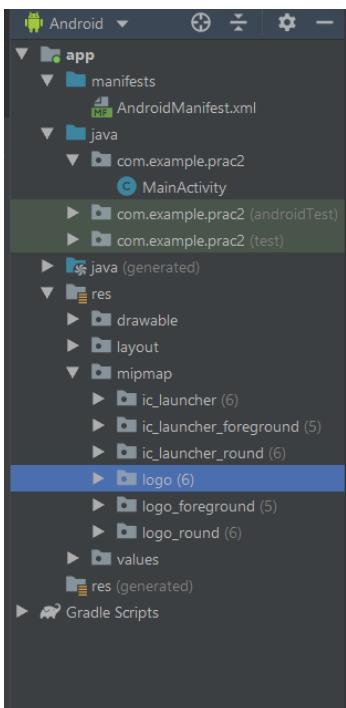


**Save the image in the D drive and provide the path of the image in the path section as shown below.**

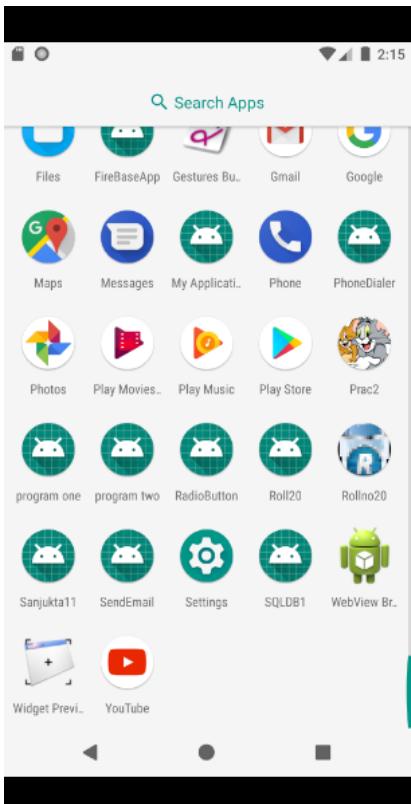
**Click next and then finish.**



**Once you have included the image you'll be able to see 3 folders of the image with its name as shown below**



**Run the app and then check whether the logo of the app has been changed or not.**



## **b.Changing background of Application**

### **GUI**



### **CODE**

#### **activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:background="@mipmap/logo_foreground">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
```

```
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

**output**



### c. Changing Application Name

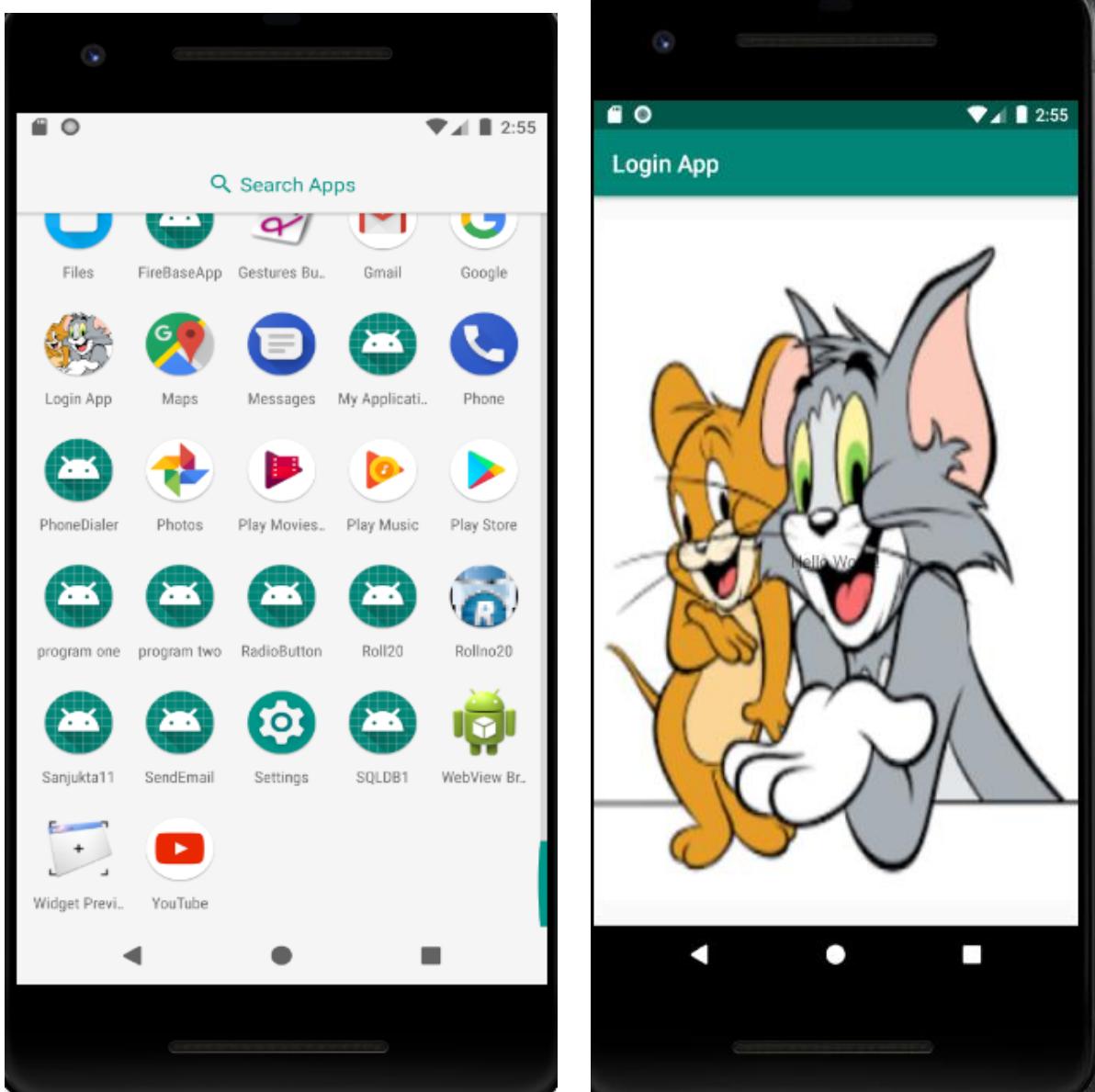
GUI



Go to the res -> values -> strings.xml

```
<resources>
    <string name="app_name">Login App</string>
</resources>
```

## OUTPUT



#### d) Basic Designing

**Objective- To add a editText,button and TextView in the app.**

**GUI**



#### CODE

##### Activitymain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
```

```

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    android:textSize="30dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintHorizontal_bias="0.464"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.86" />

<EditText
    android:id="@+id/editText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:text="Name"
    android:hint="Enter Name"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.243" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Button"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.521" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

### MainActivity.java

```

package com.example.prac2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

```

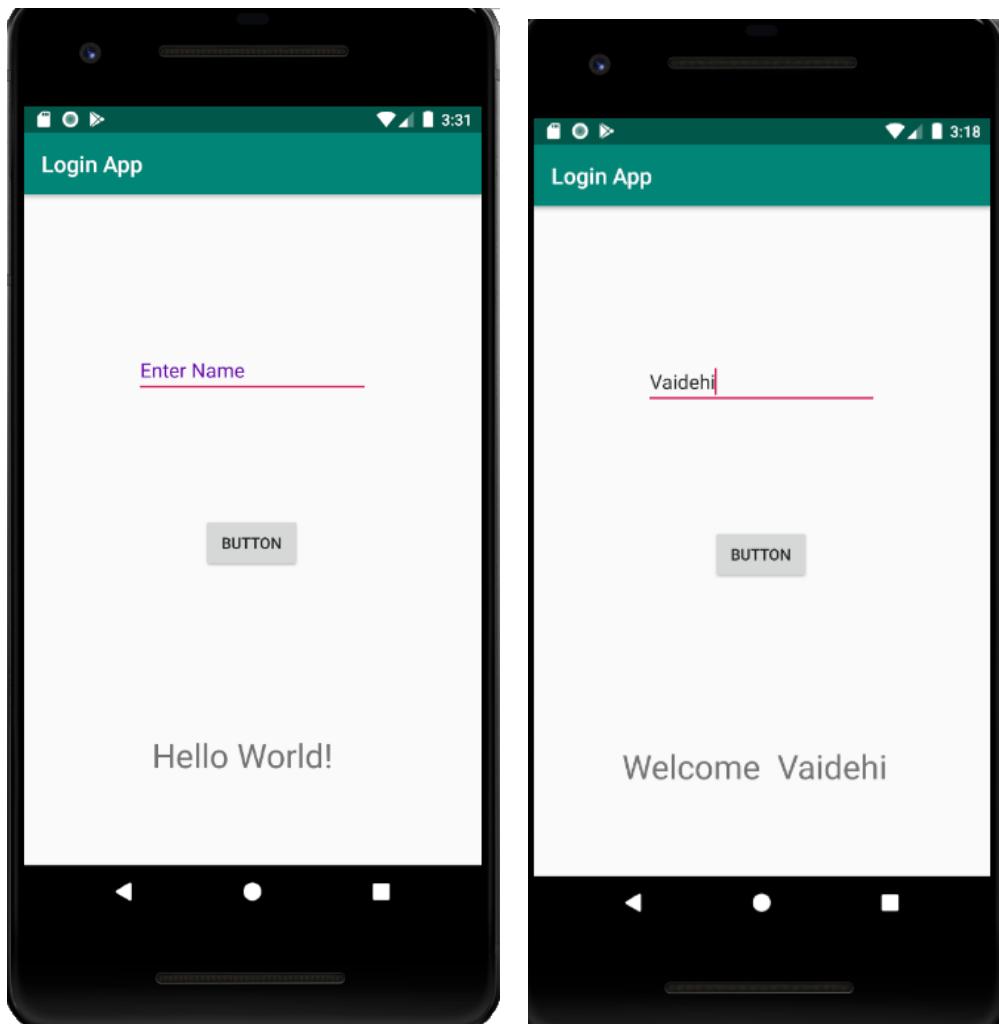
```
public class MainActivity extends AppCompatActivity {

    EditText a;
    Button b;
    TextView t;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        a=(EditText)findViewById(R.id.editText);
        b=(Button) findViewById(R.id.button);
        t=(TextView)findViewById(R.id.textView);

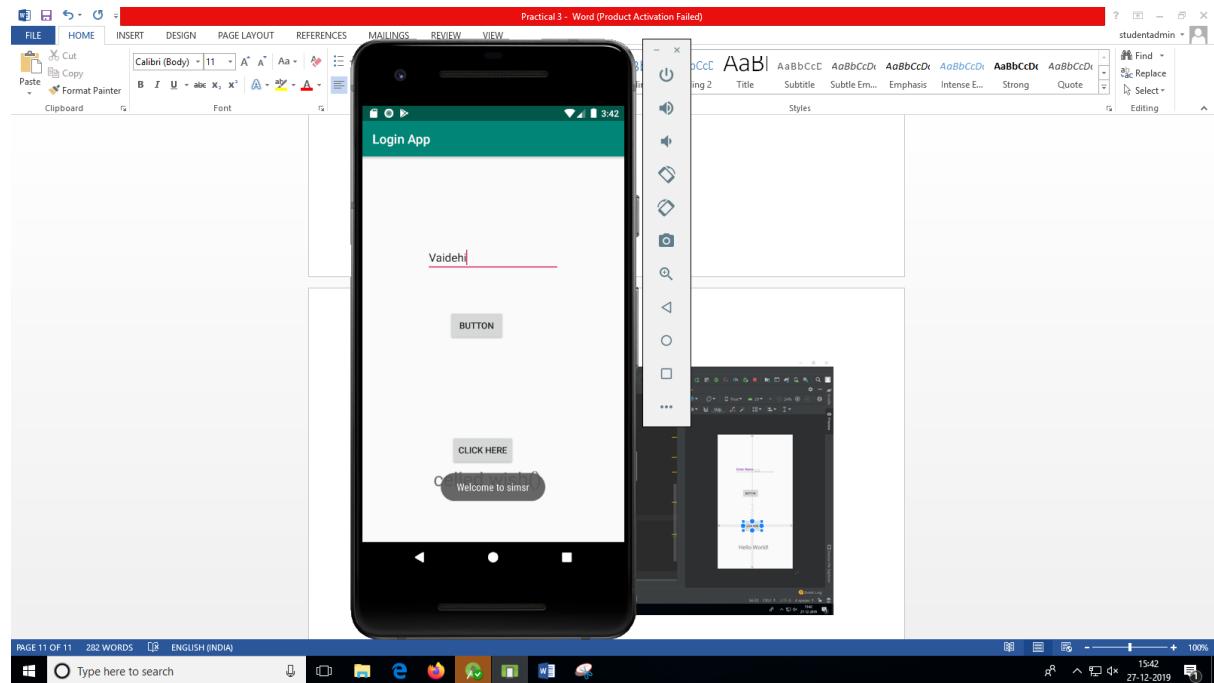
        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                t.setText("Welcome " + a.getText().toString());
            }
        });
    }
}
```

## OUTPUT



### e) Function calling on button event using onClick

#### GUI



#### CODE

##### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:textColor="@android:color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Name"
        android:inputType="textPersonName"
        android:textColor="@android:color/black"
        android:textColorHint="@android:color/black" />
```

```

        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.545"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.307" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textColor="@android:color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.644" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button "
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.517"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.562" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Click here "
        android:onClick="wish "
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.517"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.78" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

### MainActivity.java

```

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

```

```

EditText a;
Button b;
TextView c;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

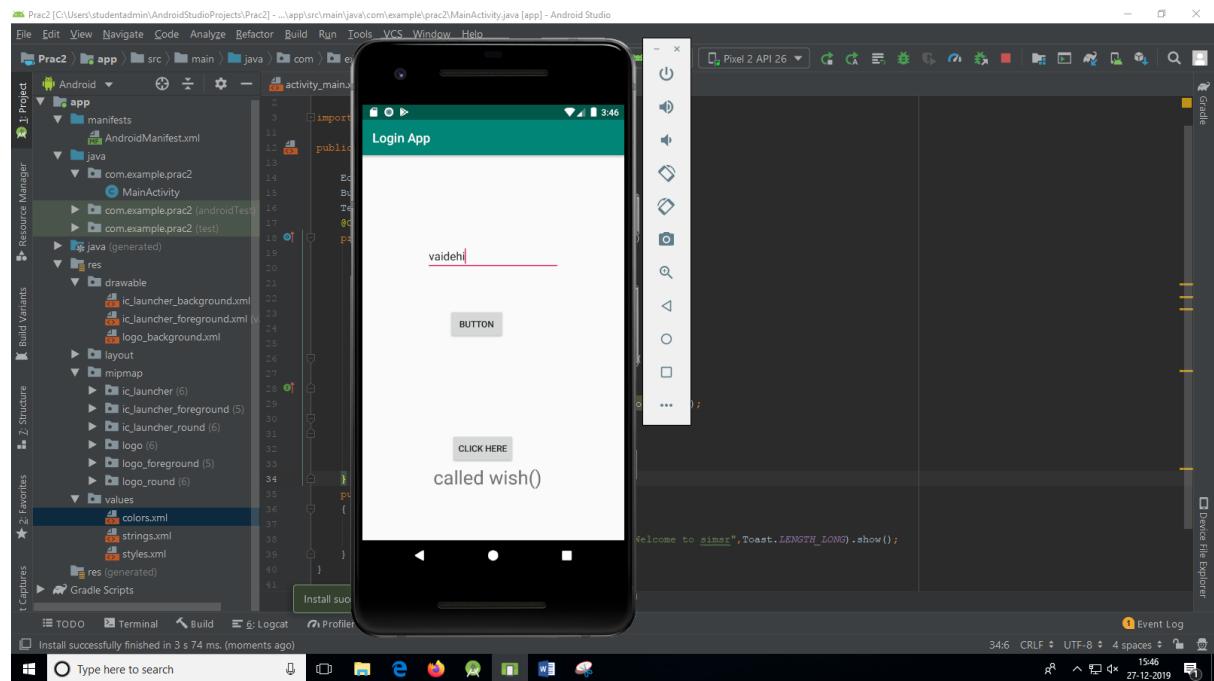
    a = (EditText) findViewById(R.id.editText);
    b = (Button) findViewById(R.id.button);
    c = (TextView) findViewById(R.id.textView2);

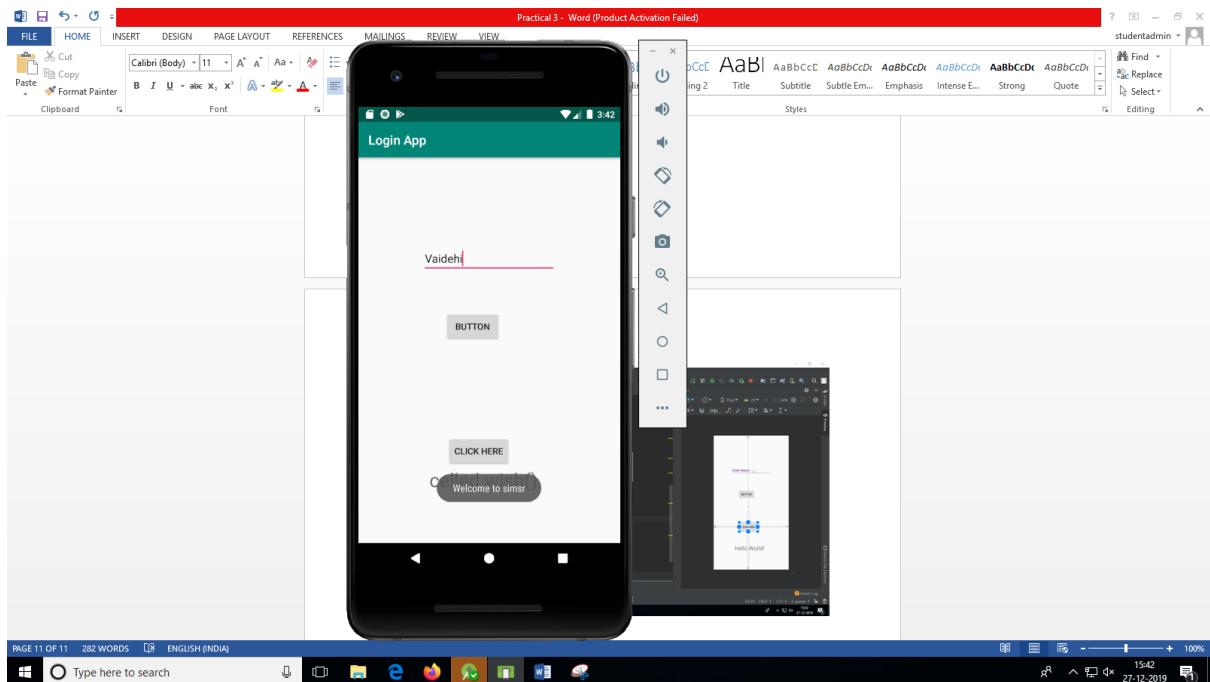
    b.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            c.setText(a.getText());
        }
    });
}

public void wish(View view)
{
    c.setText("called wish()");
    Toast.makeText(getApplicationContext(), "Welcome to SIMSR",
Toast.LENGTH_LONG).show();
}

```

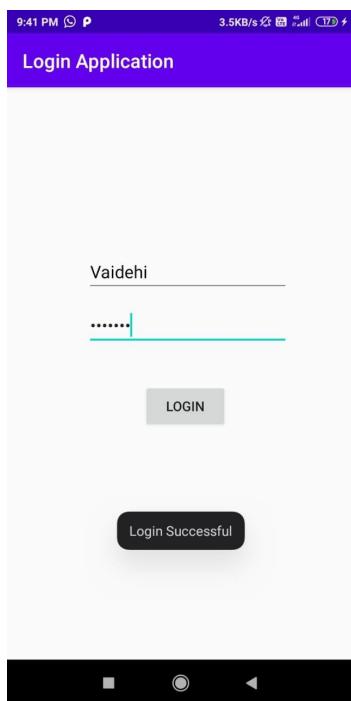
## OUTPUT





## f) Login Application

### GUI



### CODE

#### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```

xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"

<EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Name"
        android:inputType="textPersonName"
        android:textColor="@android:color/black"
        android:textColorHint="@android:color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.545"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.307" />

<Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login"
        android:onClick="login"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.517"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.562" />

<EditText
        android:id="@+id/editText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Password"
        android:inputType="textPassword"
        android:textColorHint="@android:color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.545"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.409" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

### Main Activity.java

```

package com.example.myapplication;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

```

```

import android.widget.TextView;
import android.widget.Toast;

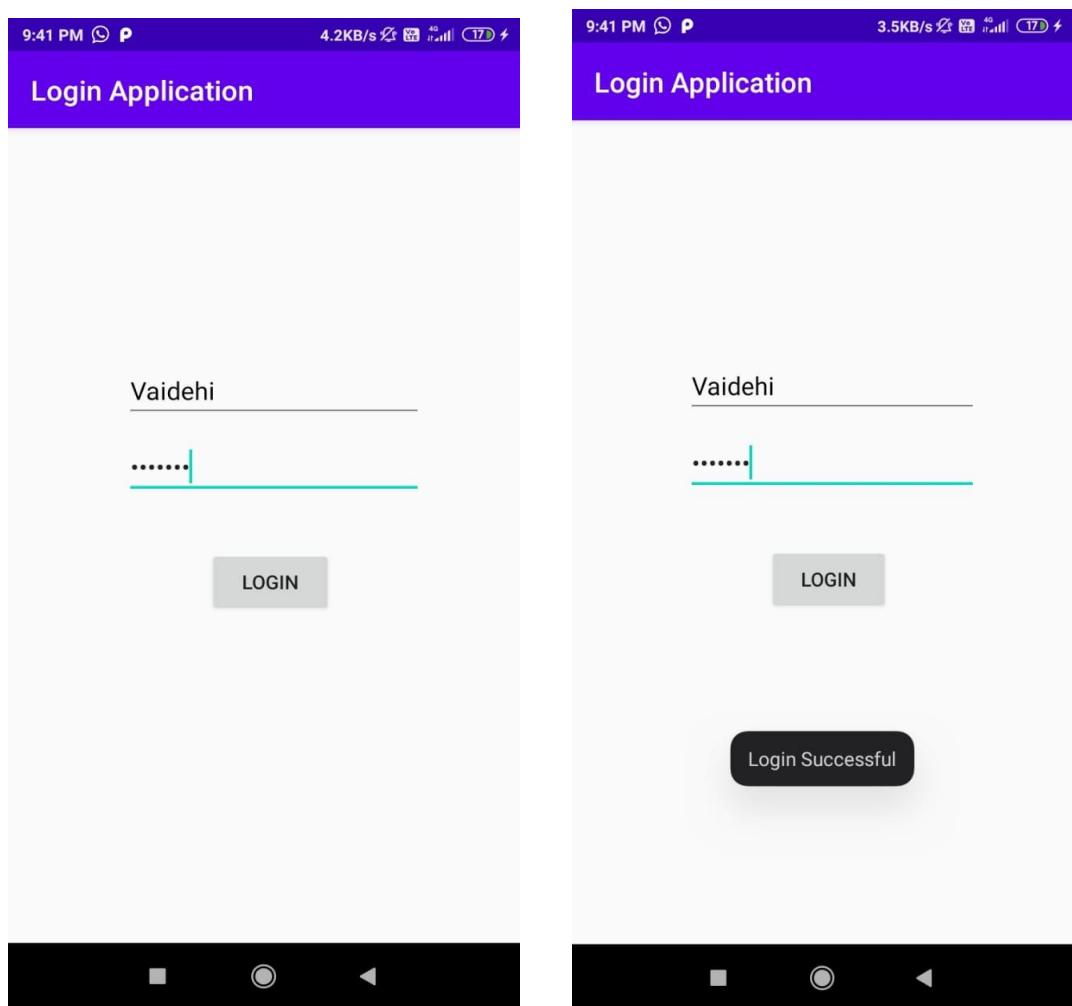
public class MainActivity extends AppCompatActivity {
    EditText a,b;
    TextView c;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

    }

    public void login(View view) {
        a=(EditText) findViewById(R.id.editText);
        b=(EditText) findViewById(R.id.editText2);
        if(a.getText().toString().equals("Vaidehi") &&
b.getText().toString().equals("Vaidehi"))
        {
            Toast.makeText(getApplicationContext(), "Login Successful",
Toast.LENGTH_LONG).show();
        }
    }
}

```

## OUTPUT



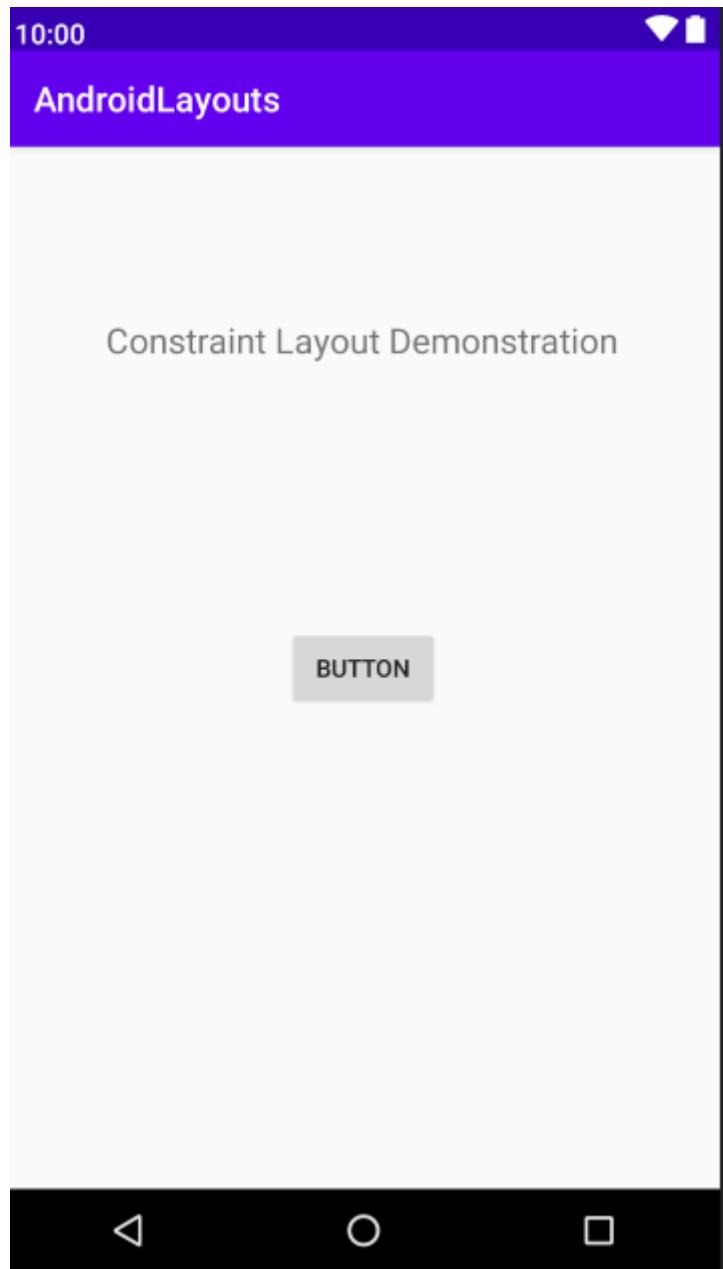
## g) Android Layouts

- ✓ **Constraint Layout** – which is now the default **layout in Android Studio**, gives you many ways to place objects. You can constrain them to their container, to each other or to guidelines. This allows you to create large, complex, dynamic and responsive views in a flat hierarchy. It even supports animations.

Code –

```
activity_main.xml -  
    <?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MainActivity">  
  
    <TextView  
        android:id="@+id/textView"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Constraint Layout Demonstration"  
        android:textSize="20dp"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintHorizontal_bias="0.495"  
        app:layout_constraintLeft_toLeftOf="parent"  
        app:layout_constraintRight_toRightOf="parent"  
        app:layout_constraintTop_toTopOf="parent"  
        app:layout_constraintVertical_bias="0.171" />  
  
    <Button  
        android:id="@+id/button"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Button"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

## GUI & Output –



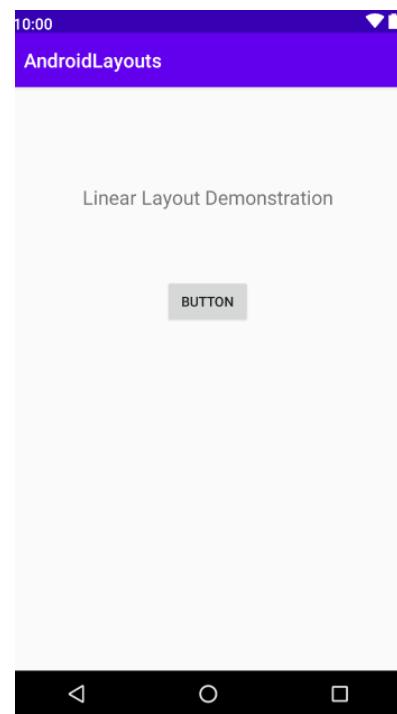
- ✓ **Linear Layout** - A layout that organizes its children into a single horizontal or vertical row. It creates a scrollbar if the length of the window exceeds the length of the screen.

### Code –

#### **activity\_main.xml –**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical">
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:layout_gravity="center"
        android:textSize="20dp"
        android:text="Linear Layout Demonstration" />
    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="70dp"
        android:layout_gravity="center"
        android:text="Button" />
</LinearLayout>
```

### GUI & Output –



- ✓ **Relative Layout** - Enables you to specify the location of child objects relative to each other (child A to the left of child B) or to the parent (aligned to the top of the parent)

Code –

activity\_main.xml –

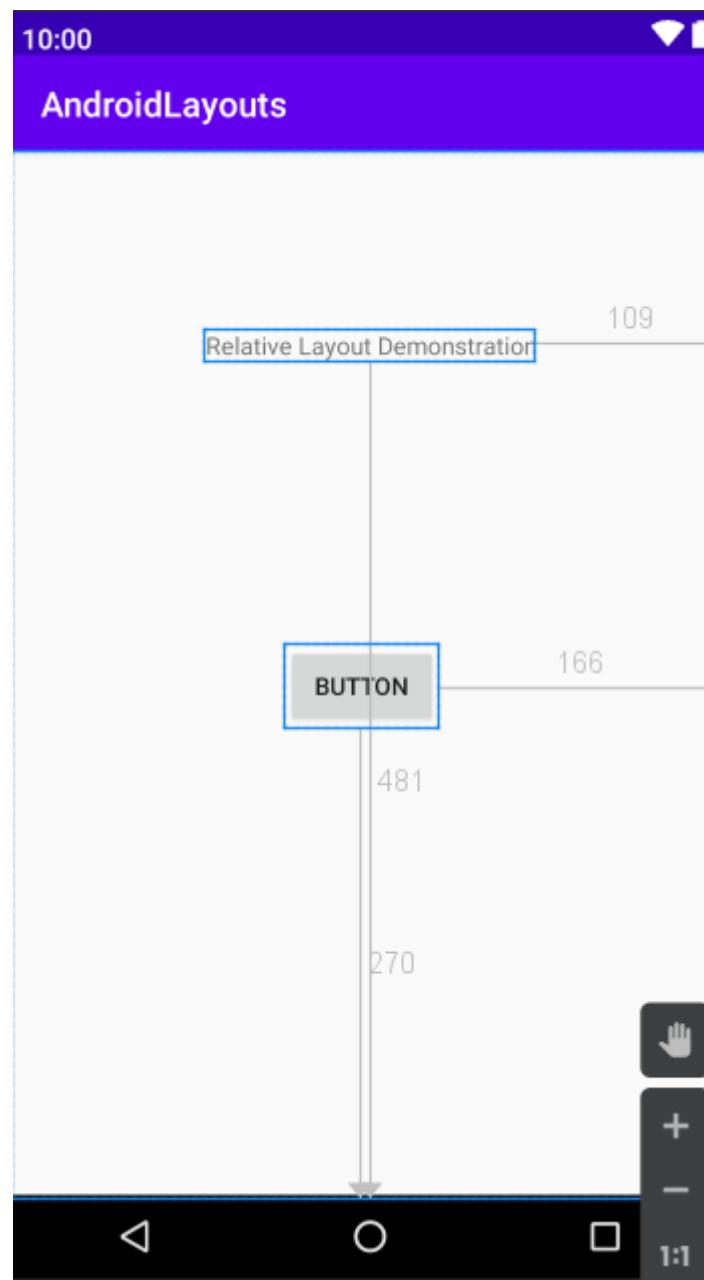
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="109dp"
        android:layout_marginRight="109dp"
        android:layout_marginBottom="481dp"
        android:text="Relative Layout Demonstration" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="166dp"
        android:layout_marginRight="166dp"
        android:layout_marginBottom="270dp"
        android:text="Button" />

</RelativeLayout>
```

## GUI & Output –



## Pratical

**Objective- Calculator**

**Date:** 07/01/2020

**Code**

**Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
        xmlns:app="http://schemas.android.com/apk/res-auto"
        xmlns:tools="http://schemas.android.com/tools"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".MainActivity">

    <Button
        android:id="@+id/button11"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="+"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.439"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.404" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="TextView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.61" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.434"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.106" />

    <EditText
        android:id="@+id/editText5"
        android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.398"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.244" />

<Button
    android:id="@+id/button16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="-"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.727"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.404" />

<Button
    android:id="@+id/button17"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text ="*"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.439"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.499" />

<Button
    android:id="@+id/button18"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="/"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.727"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

## MainActivity.java

```
package com.example.calculator;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.text.Editable;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    EditText n1;
    EditText n2;
    Button b,b2,b3,b4;
    TextView t;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        n1=(EditText)findViewById(R.id.editText4);
        n2=(EditText)findViewById(R.id.editText5);
        b=(Button)findViewById(R.id.button11);
        b2=(Button)findViewById(R.id.button16);
        b3=(Button)findViewById(R.id.button17);
        b4=(Button)findViewById(R.id.button18);
        t=(TextView)findViewById(R.id.textView2);

        b.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {

                int X=Integer.parseInt(n1.getText().toString());
                int Y=Integer.parseInt(n2.getText().toString());
                int Z=X+Y;
                t.setText(Integer.toString(Z));
            }
        });

        b2.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {

```

```

        int X=Integer.parseInt(n1.getText().toString());
        int Y=Integer.parseInt(n2.getText().toString());
        int Z=X-Y;
        t.setText(Integer.toString(Z));
    }
});

b3.setOnClickListener(new View.OnClickListener() {

    @Override
    public void onClick(View v) {

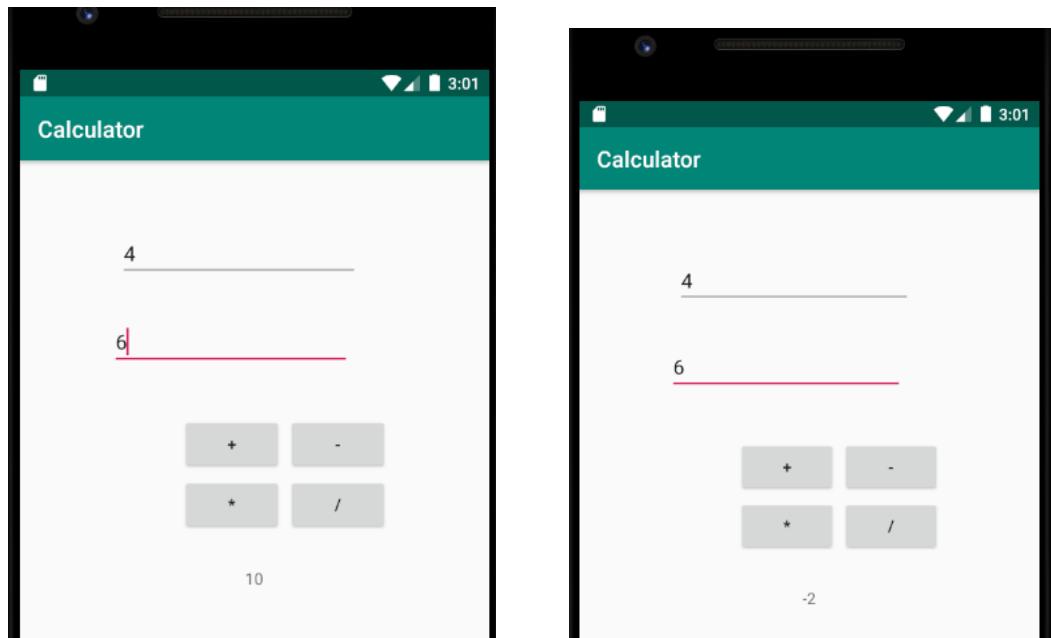
        int X=Integer.parseInt(n1.getText().toString());
        int Y=Integer.parseInt(n2.getText().toString());
        int Z=X*Y;
        t.setText(Integer.toString(Z));
    }
});
b4.setOnClickListener(new View.OnClickListener() {

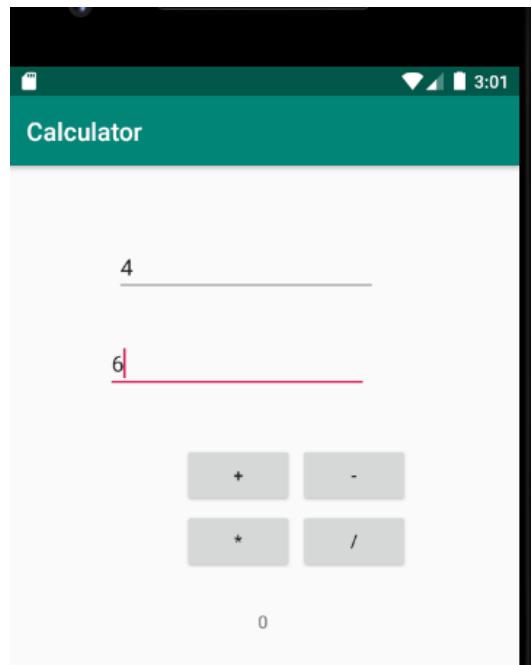
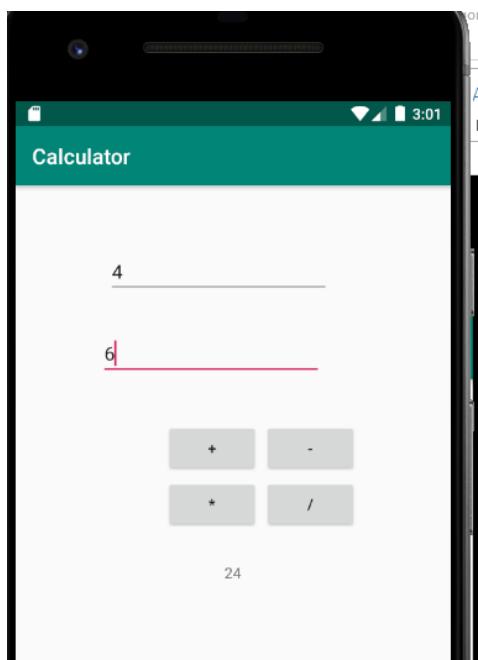
    @Override
    public void onClick(View v) {

        int X=Integer.parseInt(n1.getText().toString());
        int Y=Integer.parseInt(n2.getText().toString());
        int Z=X/Y;
        t.setText(Integer.toString(Z));
    }
});
}
}

```

## GUI & OUTPUT



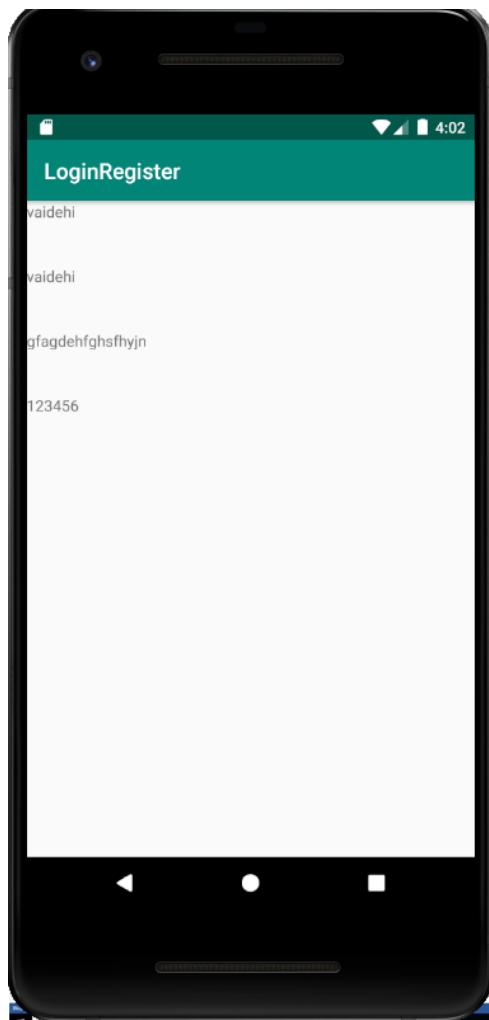


## Practical 4

**Objective- Working with Bundle**

**Date:** 10/01/2020

**GUI**



**CODE**

**Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:text="Name"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.439"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.12" />

<EditText
    android:id="@+id/editText2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPassword"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.439"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.241" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Login"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.111"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.418" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="register"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.798"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.418" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## Activityregister.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".RegisterActivity" >
<EditText
    android:id="@+id/editText5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:textSize="30dp"
    android:inputType="textPersonName"
    android:hint="Enter name " />
<EditText
    android:id="@+id/editText6"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:textSize="30dp"
    android:layout_marginTop="40dp"
    android:inputType="textPassword"
    android:hint="Enter password"/>
<EditText
    android:id="@+id/editText7"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:textSize="30dp"
    android:layout_marginTop="40dp"
    android:inputType="textEmailAddress"
    android:hint="Enter Address"/>
<EditText
    android:id="@+id/editText8"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:textSize="30dp"
    android:layout_marginTop="40dp"
    android:inputType="phone"
    android:hint="Enter Phone"/>
<Button
    android:id="@+id/button3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:text="Register" />
</LinearLayout>
```

### **Activity\_profile.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".ProfileActivity" >

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TextView" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:text="TextView" />

    <TextView
        android:id="@+id/textView7"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:text="TextView" />

    <TextView
        android:id="@+id/textView8"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:text="TextView" />
</LinearLayout>
```

### **RegisterActivirty.java**

```
package com.example.loginregister;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class RegisterActivity extends AppCompatActivity {
```

```

EditText t1,t2,t3,t4;
Button b;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_register);

    t1=(EditText)findViewById(R.id.editText5);
    t2=(EditText)findViewById(R.id.editText6);
    t3=(EditText)findViewById(R.id.editText7);
    t4=(EditText)findViewById(R.id.editText8);
    b=(Button)findViewById(R.id.button3);

    b.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i=new Intent(getApplicationContext(),ProfileActivity.class);
            i.putExtra("username",t1.getText().toString());
            i.putExtra("password",t2.getText().toString());
            i.putExtra("Address",t3.getText().toString());
            i.putExtra("Phone",t4.getText().toString());
            startActivity(i);
        }
    });
}
}

```

### ProfileActivity.java

```

package com.example.loginregister;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.EditText;
import android.widget.TextView;

public class ProfileActivity extends AppCompatActivity {

    TextView t1,t2,t3,t4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_profile);

        t1=(TextView)findViewById(R.id.textView5);
        t2=(TextView)findViewById(R.id.textView6);
        t3=(TextView)findViewById(R.id.textView7);
    }
}

```

```

t4=(TextView)findViewById(R.id.textView8);

        Bundle b=getIntent().getExtras();
        t1.setText(b.getString("username"));
        t2.setText(b.getString("password"));
        t3.setText(b.getString("Address"));
        t4.setText(b.getString("Phone"));

    }
}

```

### MainActivity.java

```

package com.example.loginregister;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    EditText t1;
    EditText t2;
    Button login;
    Button Reg;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        t1=(EditText)findViewById(R.id.editText);
        t2=(EditText)findViewById(R.id.editText2);
        login=(Button)findViewById(R.id.button);
        Reg=(Button)findViewById(R.id.button2);

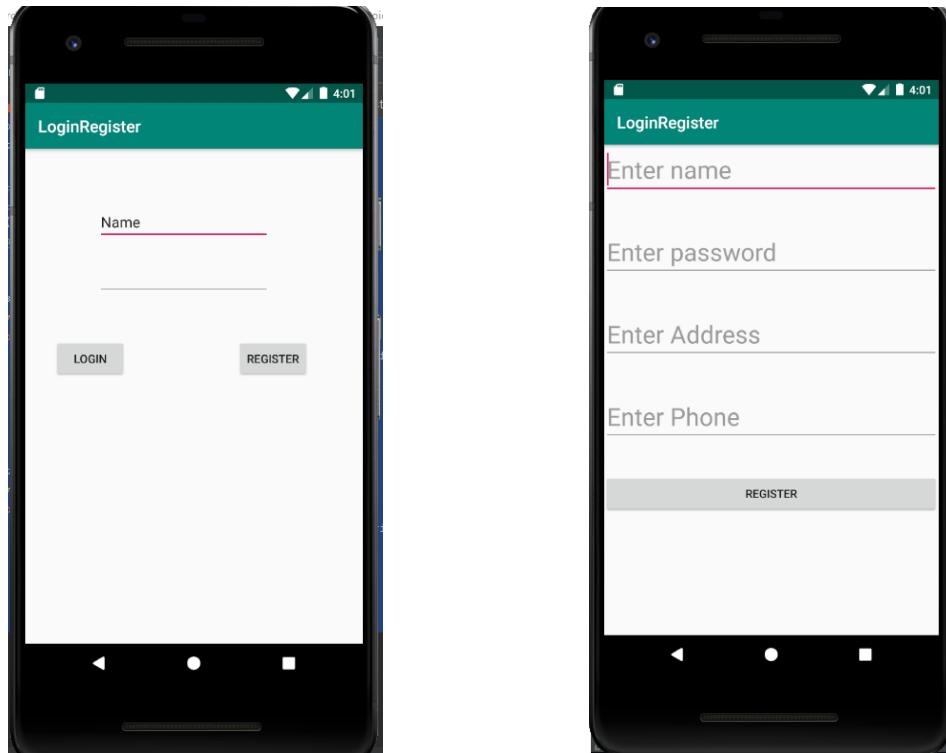
        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(getApplicationContext(),ProfileActivity.class);
                startActivity(i);
            }
        });

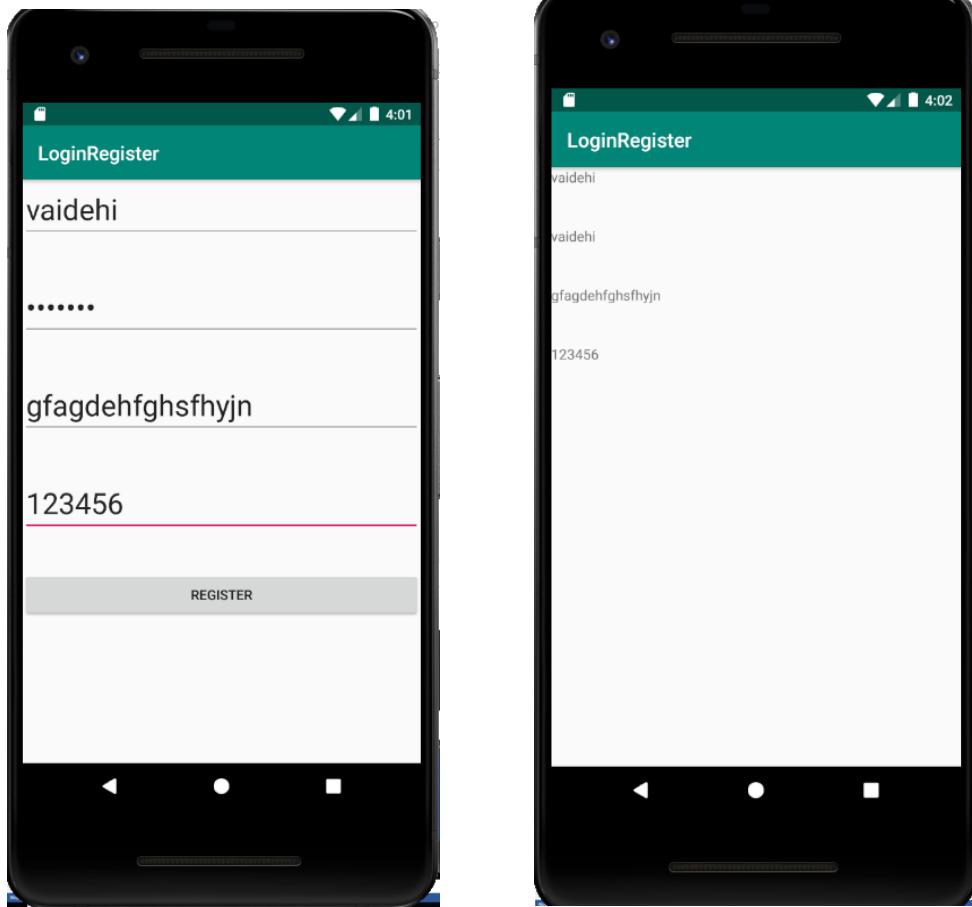
        Reg.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

```

```
        Intent i=new Intent(getApplicationContext(),RegisterActivity.class);
        startActivity(i);
    }
}
```

## OUTPUT



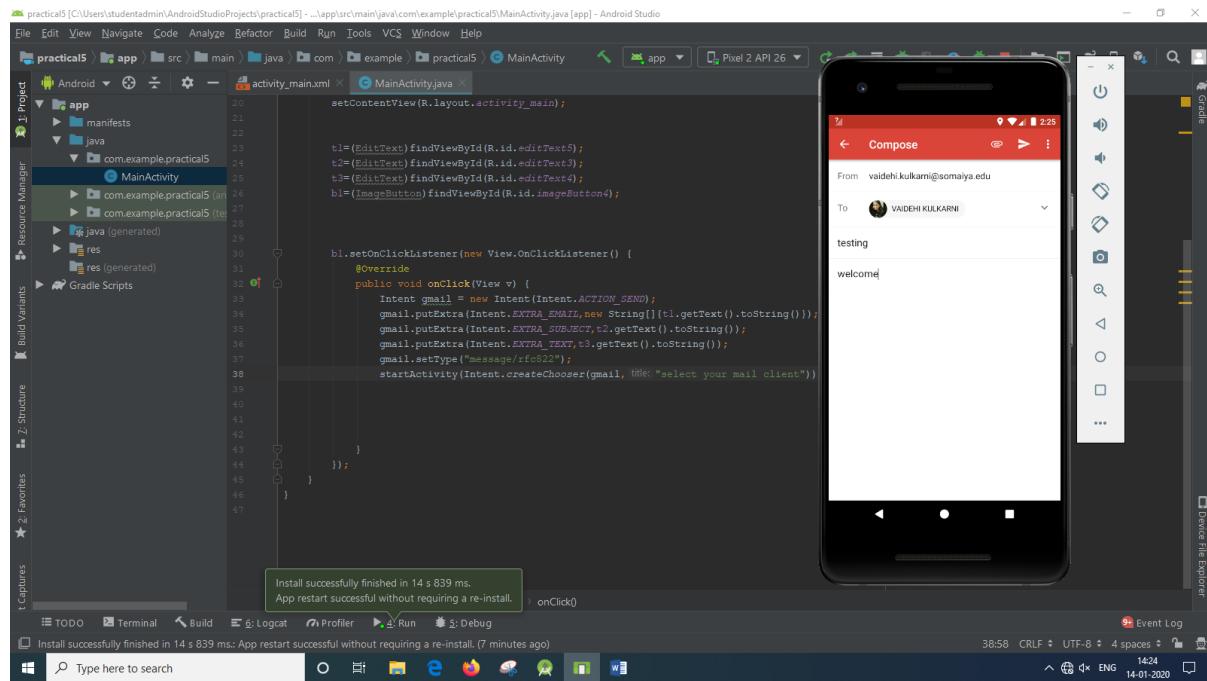


## Practical 5

### Objective- Implicit Intent

Date: 21/01/2020

#### GUI



#### CODE

##### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editText3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="121dp"
        android:layout_marginRight="121dp"
        android:layout_marginBottom="508dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text="Name" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
```

```

        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="123dp"
        android:layout_marginRight="123dp"
        android:layout_marginBottom="426dp"
        android:ems="10"
        android:inputType="textPostalAddress" />

<ImageButton
    android:id="@+id/imageButton4"
    android:layout_width="237dp"
    android:layout_height="83dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="97dp"
    android:layout_marginRight="97dp"
    android:layout_marginBottom="213dp"
    app:srcCompat="@android:drawable/btn_default" />

<EditText
    android:id="@+id/editText5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textEmailAddress" />

</RelativeLayout>

```

### MainActivity.java

```

package com.example.practical5;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;

public class MainActivity extends AppCompatActivity {

    EditText t1,t2,t3;
    ImageButton b1;

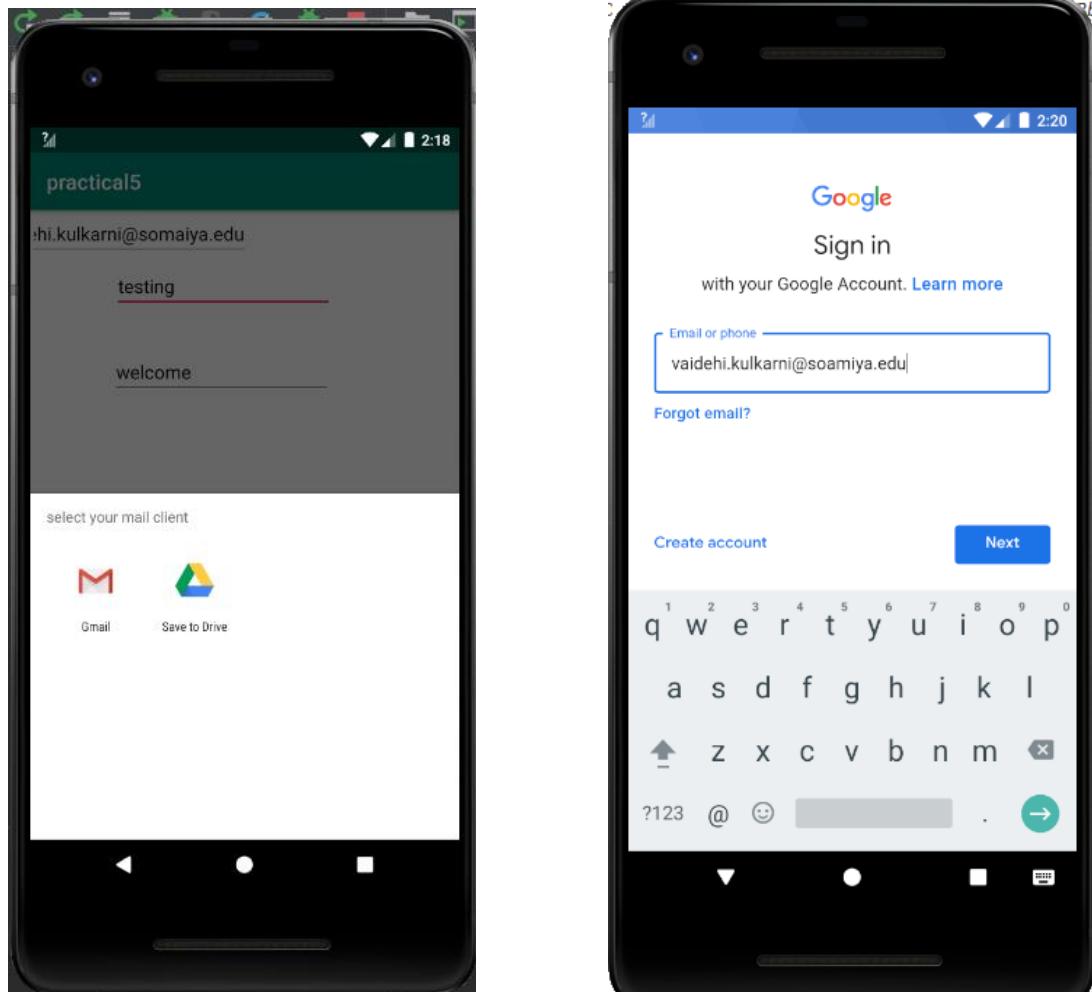
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        t1=(EditText)findViewById(R.id.editText5);
        t2=(EditText)findViewById(R.id.editText3);
        t3=(EditText)findViewById(R.id.editText4);
        b1=(ImageButton)findViewById(R.id.imageButton4);
        b2=(Button)findViewById(R.id.button);
    }
}

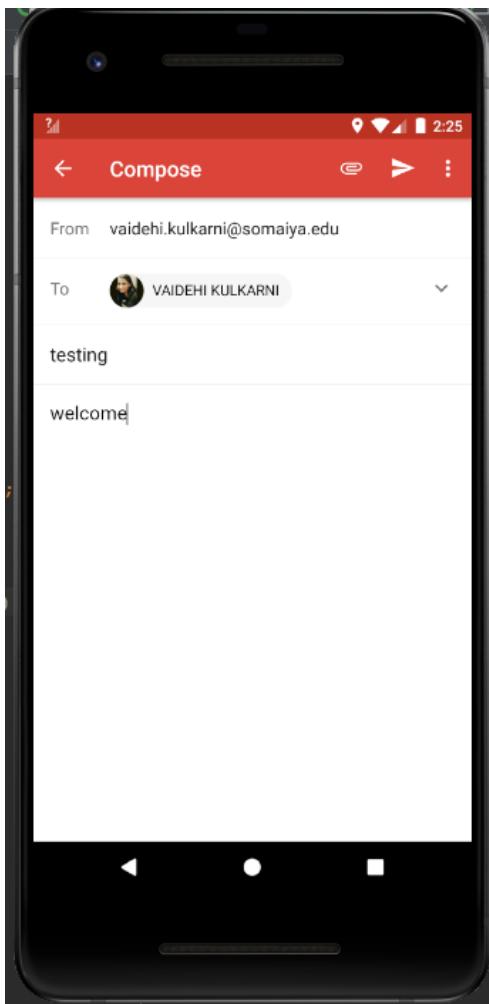
```

```

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent gmail = new Intent(Intent.ACTION_SEND);
        gmail.putExtra(Intent.EXTRA_EMAIL,new String[]{t1.getText().toString()});
        gmail.putExtra(Intent.EXTRA_SUBJECT,t2.getText().toString());
        gmail.putExtra(Intent.EXTRA_TEXT,t3.getText().toString());
        gmail.setType("message/rfc822");
        startActivity(Intent.createChooser(gmail,"select your mail client"));
    }
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i=new Intent(getApplicationContext(),MainActivity.class);
        startActivity(i);
    }
});}};
```

## OUTPUT





A screenshot of a web browser window showing the Gmail inbox. The inbox list includes an email from "me" with the subject "testing - welcome" and another from "Google" about a new device signing in. The browser's address bar shows the URL "https://mail.google.com/mail/u/0/#inbox".

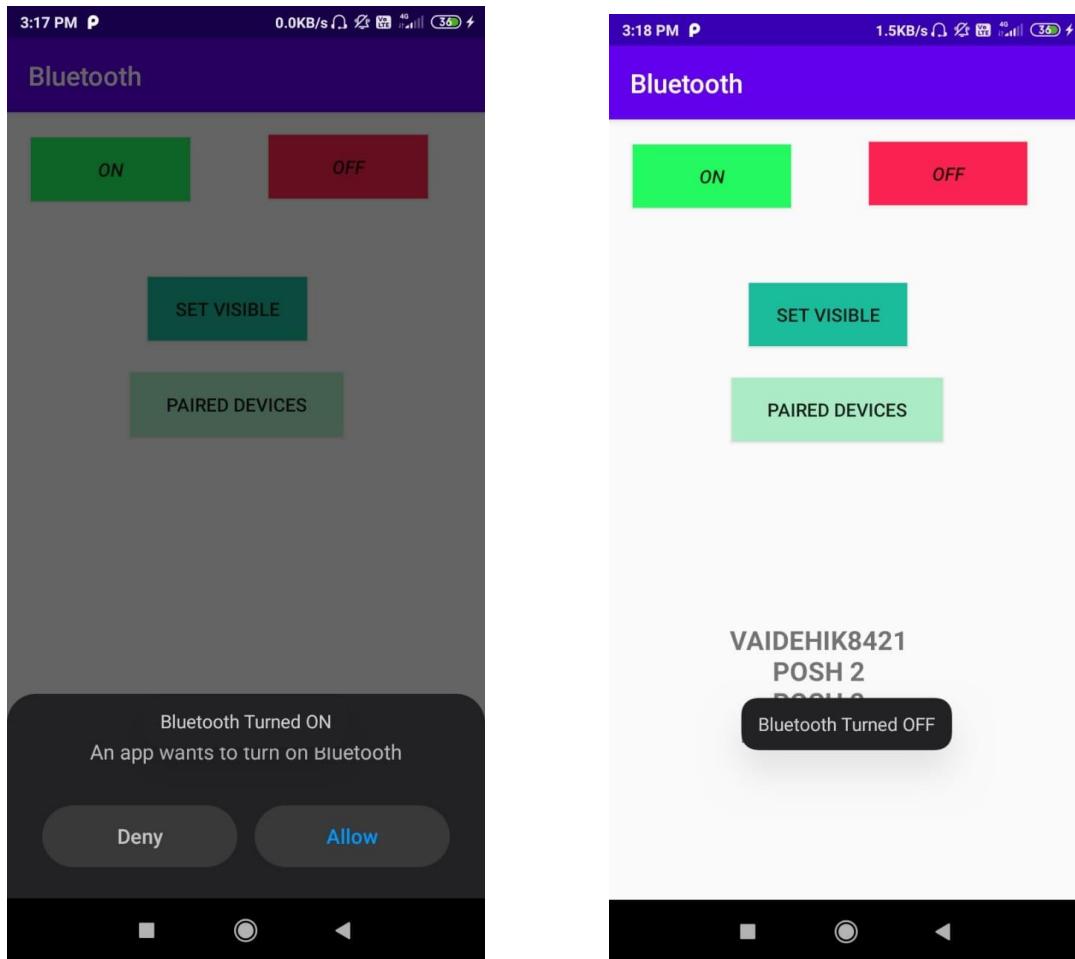
A screenshot of a web browser window showing the details of an email. The email is from "VAIDELI KULKARNI &lt;vaidehi.kulkarni@somaiya.edu&gt;" to "me". The subject is "testing" and the body contains the word "welcome". The browser's address bar shows the URL "https://mail.google.com/mail/u/0/#inbox/LXphbRLghxkrjjWKS瑞KHjxDPVxQXbmjDxvvjtdrZSq".

## Practical 6

Obective- Android Implicit Intent for Bluetooth

Date: 21/01/2020

### GUI



### CODE

#### Mainactivity.java

```
package com.example.bluetooth;

import androidx.appcompat.app.AppCompatActivity;

import android.bluetooth.BluetoothAdapter;
import android.bluetooth.BluetoothDevice;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Set;

public class MainActivity extends AppCompatActivity {
    TextView msg;
```

```

Button on,off,sv,pd;
BluetoothAdapter bluetoothAdapter;
Set<BluetoothDevice> pairedID;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    bluetoothAdapter=BluetoothAdapter.getDefaultAdapter();
    msg=(TextView)findViewById(R.id.msg);
    on=(Button)findViewById(R.id.on);
    off=(Button)findViewById(R.id.off);
    sv=(Button)findViewById(R.id.sv);
    pd=(Button)findViewById(R.id.pd);
    on.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(!bluetoothAdapter.isEnabled())
            {
                Intent intent=new Intent(BluetoothAdapter.ACTION_REQUEST_ENABLE);
                startActivity(intent);
                Toast.makeText(getApplicationContext(),"Bluetooth Turned
ON",Toast.LENGTH_LONG).show();
            }
            else
            {
                Toast.makeText(getApplicationContext(),"Bluetooth is Already Turned
ON",Toast.LENGTH_LONG).show();
            }
        });
    off.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            bluetoothAdapter.disable();
            Toast.makeText(getApplicationContext(),"Bluetooth Turned
OFF",Toast.LENGTH_LONG).show();
        });
    sv.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent setv=new Intent(BluetoothAdapter.ACTION_REQUEST_DISCOVERABLE);
            startActivityForResult(setv,0);
            Toast.makeText(getApplicationContext(),"Device is
Discoverable",Toast.LENGTH_LONG).show();
        });
    pd.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            pairedID=bluetoothAdapter.getBondedDevices();
            StringBuffer sb=new StringBuffer();
            for(BluetoothDevice BD:pairedID)
            {
                sb.append("\n");
            }
        }
    });
}

```

```
        sb.append(BD.getName());
    }
    msg.setText(sb);
    Toast.makeText(getApplicationContext(),"List of Paired
Devices",Toast.LENGTH_LONG).show();
}
});
```

## Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/on"
        android:layout_width="120dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="222dp"
        android:layout_marginRight="222dp"
        android:layout_marginBottom="525dp"
        android:background="#22FA5F"
        android:text="On"
        android:textStyle="italic" />

    <Button
        android:id="@+id/off"
        android:layout_width="120dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="43dp"
        android:layout_marginRight="43dp"
        android:layout_marginBottom="527dp"
        android:background="#FA2250"
        android:text="OFF"
        android:textStyle="italic" />

    <Button
        android:id="@+id/sv"
        android:layout_width="120dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
```

```

        android:layout_alignParentBottom="true"
        android:layout_marginEnd="134dp"
        android:layout_marginRight="134dp"
        android:layout_marginBottom="420dp"
        android:background="#1ABC9C"
        android:text="Set Visible" />

<Button
    android:id="@+id/pd"
    android:layout_width="160dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="107dp"
    android:layout_marginRight="107dp"
    android:layout_marginBottom="348dp"
    android:background="#ABEBC6"
    android:text="Paired Devices" />

<TextView
    android:id="@+id/msg"
    android:layout_width="328dp"
    android:layout_height="282dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="42dp"
    android:layout_marginRight="42dp"
    android:layout_marginBottom="33dp"
    android:text=""
    android:textStyle="bold"
    android:textAlignment="center"
    android:gravity="center"
    android:textSize="20dp" />

</RelativeLayout>

```

### AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.bluetooth">
    <uses-permission android:name="android.permission.BLUETOOTH"></uses-permission>
    <uses-permission android:name="android.permission.BLUETOOTH_ADMIN"></uses-
    permission>
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">

```

```

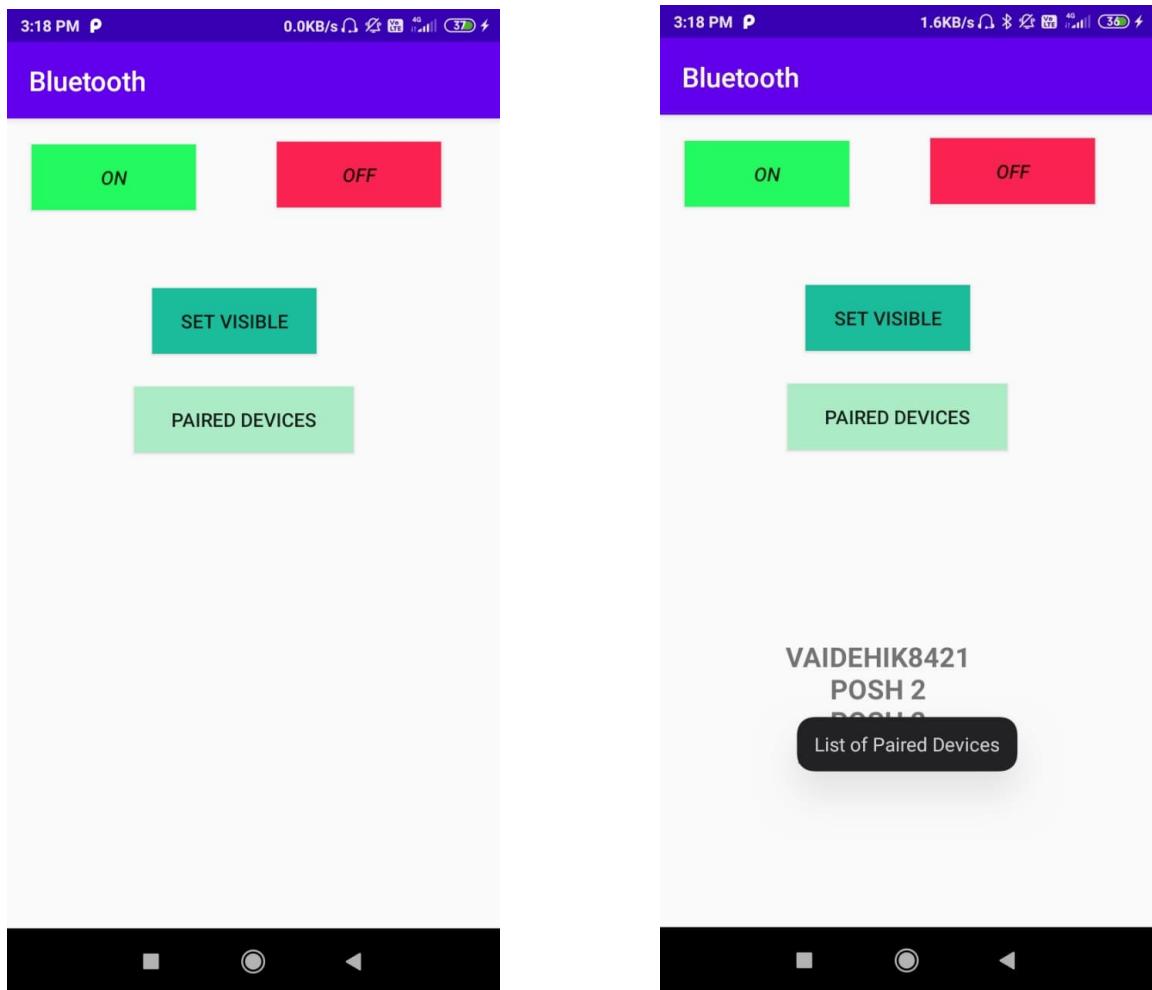
<intent-filter>
    <action android:name="android.intent.action.MAIN" />

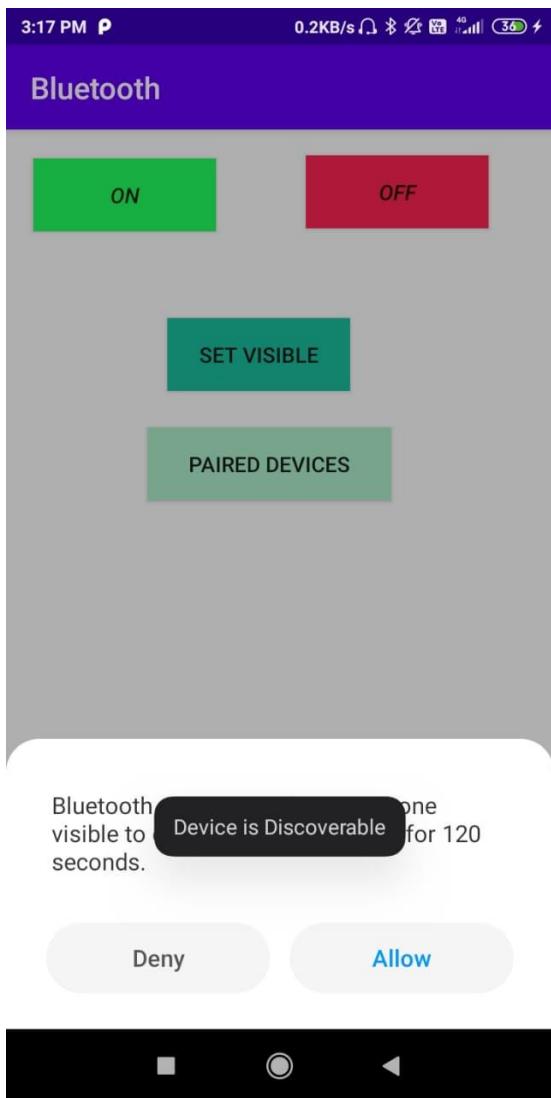
    <category android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>
</application>

</manifest>

```

## OUTPUTS





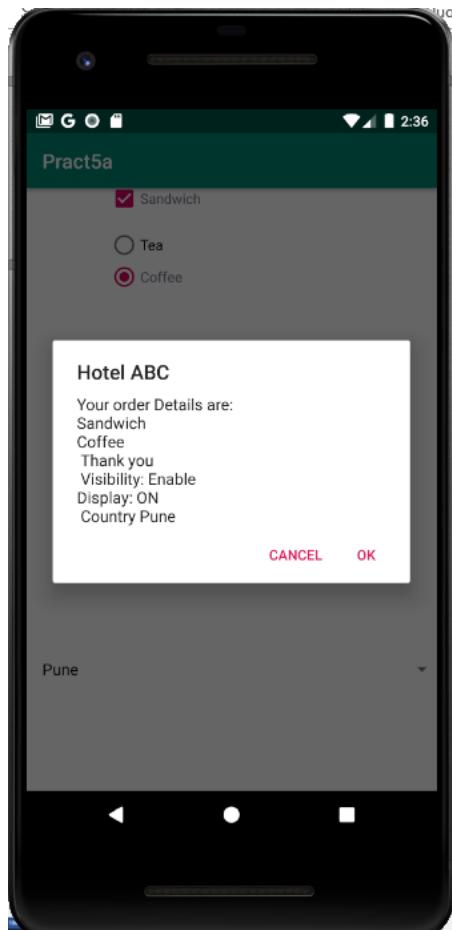
## Practical 7

### Objective-GUI Controls

Date: 29/01/2020

#### a.) Checkbox, RadioButton, RadioGroup & Spinner.

##### GUI



##### CODE

###### Activity\_main2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Main2Activity">

    <CheckBox
        android:id="@+id/checkBox"
        android:layout_width="152dp"
        android:layout_height="52dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerInParent="true" />
```

```
    android:layout_alignParentBottom="true"
    android:layout_marginStart="77dp"
    android:layout_marginLeft="77dp"
    android:layout_marginEnd="182dp"
    android:layout_marginRight="182dp"
    android:layout_marginBottom="634dp"
    android:text="Vada Pav" />
```

#### <CheckBox

```
    android:id="@+id/checkBox2"
    android:layout_width="144dp"
    android:layout_height="51dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="185dp"
    android:layout_marginRight="185dp"
    android:layout_marginBottom="584dp"
    android:text="Sandwich" />
```

#### <ToggleButton

```
    android:id="@+id/toggleButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="243dp"
    android:layout_marginRight="243dp"
    android:layout_marginBottom="340dp"
    android:text="ToggleButton"
    android:textOff="DISABLE"
    android:textOn="Enable"/>
```

#### <RadioGroup

```
    android:id="@+id/radiogroup"
    android:layout_width="149dp"
    android:layout_height="106dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="180dp"
    android:layout_marginRight="180dp"
    android:layout_marginBottom="457dp">
```

#### <RadioButton

```
    android:id="@+id radioButton3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Tea" />
```

#### <RadioButton

```
    android:id="@+id radioButton4"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```
    android:text="Coffee" />
</RadioGroup>

<ToggleButton
    android:id="@+id/toggleButton2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="123dp"
    android:layout_marginRight="123dp"
    android:layout_marginBottom="340dp"
    android:text="ToggleButton"
    android:textOff="OFF"
    android:textOn="ON" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="198dp"
    android:layout_marginRight="198dp"
    android:layout_marginBottom="228dp"
    android:text="Order" />

<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="86dp"
    android:layout_marginRight="86dp"
    android:layout_marginBottom="227dp"
    android:text="Submit" />

<Spinner
    android:id="@+id/spinner"
    android:layout_width="match_parent"
    android:layout_height="40dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="-9dp"
    android:layout_marginRight="-9dp"
    android:layout_marginBottom="102dp" />
</RelativeLayout>
```

## Main2Activity.java

```
package com.example.pract5a;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Adapter;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Spinner;
import android.widget.Toast;
import android.widget.ToggleButton;

public class Main2Activity extends AppCompatActivity implements
AdapterView.OnItemSelectedListener {
    CheckBox c1,c2;
    RadioGroup r1;
    ToggleButton t1,t2;
    Button order,submit;
    RadioButton beverage;
    AlertDialog.Builder builder;
    StringBuffer sb;
    Spinner spinner;
    String[] country={"Mumbai","Pune","Nagpur"};
    String cv;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        c1=findViewById(R.id.checkBox);
        c2=findViewById(R.id.checkBox2);
        r1=findViewById(R.id.radiogroup);
        t1=findViewById(R.id.toggleButton);
        t2=findViewById(R.id.toggleButton2);
        order=findViewById(R.id.button2);
        submit=findViewById(R.id.button3);
        builder= new AlertDialog.Builder(this);
        spinner=findViewById(R.id.spinner);

        spinner.setOnItemSelectedListener(this);
        ArrayAdapter aa=new ArrayAdapter(this,android.R.layout.simple_list_item_1,country);
        aa.setDropDownViewResource(android.R.layout.simple_dropdown_item_1line);
        spinner.setAdapter(aa);
        order.setOnClickListener(new View.OnClickListener() {
            @SuppressLint("ResourceAsColor")
        });
    }
}
```

```

@Override
public void onClick(View v) {
    int sid=r1.getCheckedRadioButtonId();
    bevarage=findViewById(sid);
    bevarage.setTextColor(R.color.colorPrimaryDark);

    sb= new StringBuffer();
    sb.append("Your order Details are:\n");

    if(c1.isChecked()){
        c1.setTextColor(R.color.colorPrimary);
        sb.append(c1.getText()).append("\n");
    }

    if(c2.isChecked()){
        c2.setTextColor(R.color.colorPrimary);
        sb.append(c2.getText()).append("\n");
    }
    sb.append(bevarage.getText());
    sb.append("\n Thank you");

    sb.append("\n Visibility: ").append(t1.getText());
    sb.append("\n");
    sb.append("Display: ").append(t2.getText());
    sb.append("\n Country "+cv);

}

});

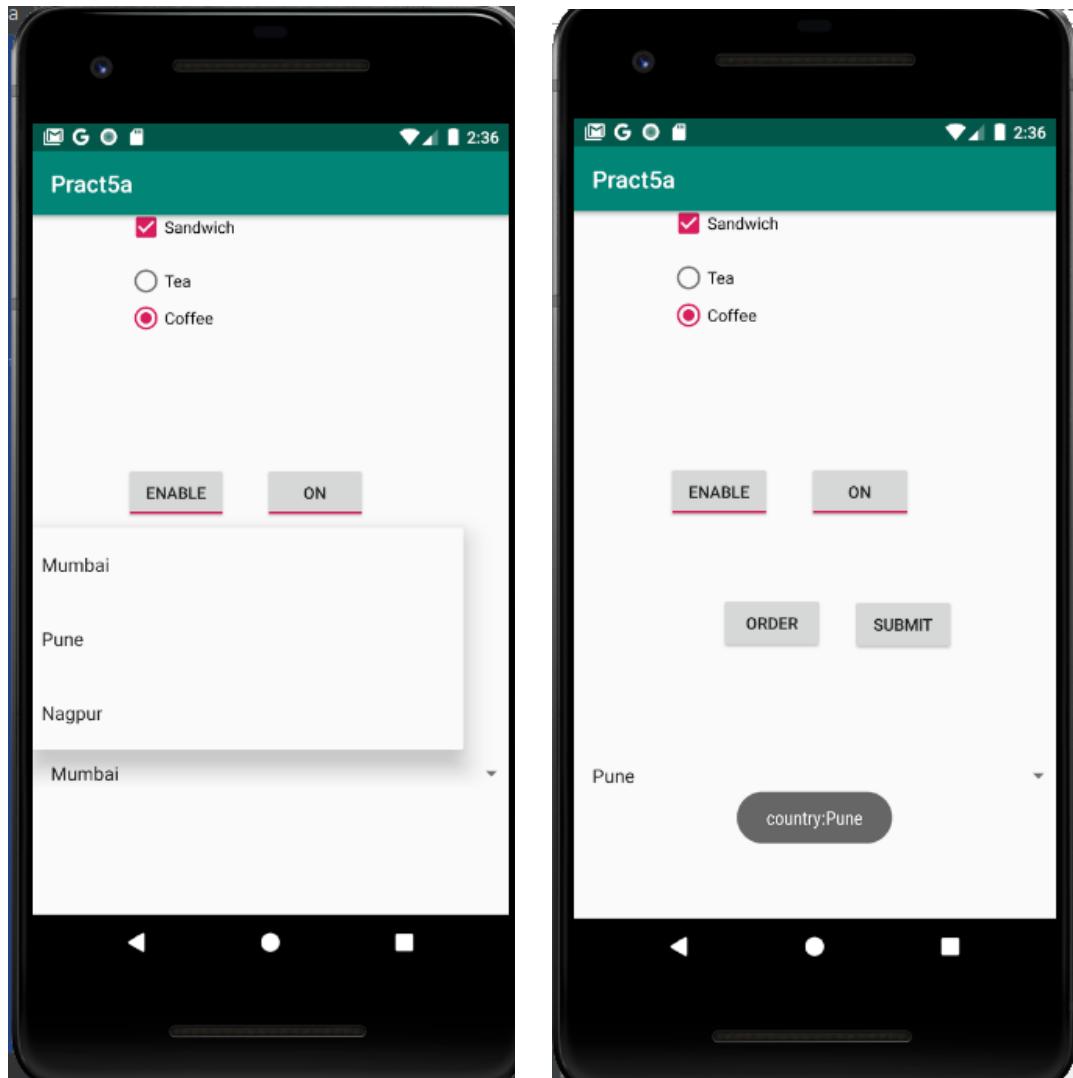
submit.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        builder.setPositiveButton("ok", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                builder.setCancelable(true);
            }
        }).setNegativeButton("cancel", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                builder.setCancelable(false);
            }
        });
        builder.setMessage(sb.toString());
        builder.setTitle("Hotel ABC");
        builder.show();

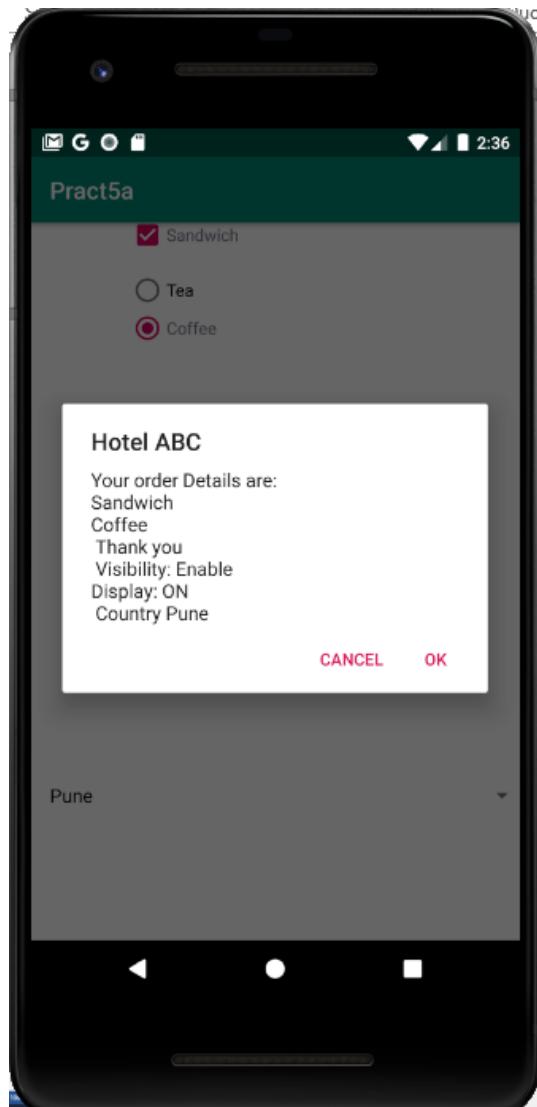
    }
});
}

```

```
@Override  
public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
    cv=country[position];  
    Toast.makeText(getApplicationContext(),"country:"+country[position],Toast.LENGTH_LONG).show();  
}  
  
@Override  
public void onNothingSelected(AdapterView<?> parent) {  
}  
}
```

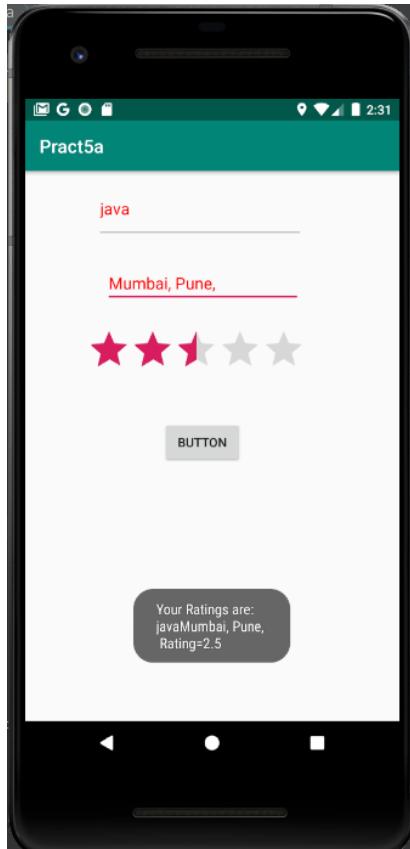
## OUTPUT





## b) AutoCompleteTextView, MultiAutoCompleteTextView & RatingBar.

### GUI



### CODE

Activity\_main3.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <AutoCompleteTextView
        android:id="@+id/autoCompleteTextView"
        android:layout_width="227dp"
        android:layout_height="68dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="79dp"
        android:layout_marginLeft="79dp"
        android:layout_marginEnd="105dp"
        android:layout_marginRight="105dp" />
```

```

        android:layout_marginBottom="528dp"
        tools:layout_editor_absoluteX="97dp"
        tools:layout_editor_absoluteY="142dp" />

<RatingBar
    android:id="@+id/ratingBar"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="103dp"
    android:layout_marginRight="103dp"
    android:outlineSpotShadowColor="#000"
    android:layout_marginBottom="375dp" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="172dp"
    android:layout_marginRight="172dp"
    android:layout_marginBottom="282dp"
    android:text="Button" />

<MultiAutoCompleteTextView
    android:id="@+id/multiAutoCompleteTextView"
    android:layout_width="215dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="108dp"
    android:layout_marginRight="108dp"
    android:layout_marginBottom="458dp" />
</RelativeLayout>

```

### Main3Activity.java

```

package com.example.pract5a;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.MultiAutoCompleteTextView;
import android.widget.RatingBar;

```

```

import android.widget.Toast;

public class Main3Activity extends AppCompatActivity {

    AutoCompleteTextView text;
    MultiAutoCompleteTextView text1;
    RatingBar r1;
    Button b1;
    StringBuffer sb;
    String[] languages={"Android ","java","IOS","SQL","JDBC","Web services"};
    String[] country={"Mumbai","Pune","Nagpur"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);

text1=(MultiAutoCompleteTextView)findViewById(R.id.multiAutoCompleteTextView);
        text=(AutoCompleteTextView)findViewById(R.id.autoCompleteTextView);
        r1=(RatingBar)findViewById(R.id.ratingBar);
        b1=(Button)findViewById(R.id.button);

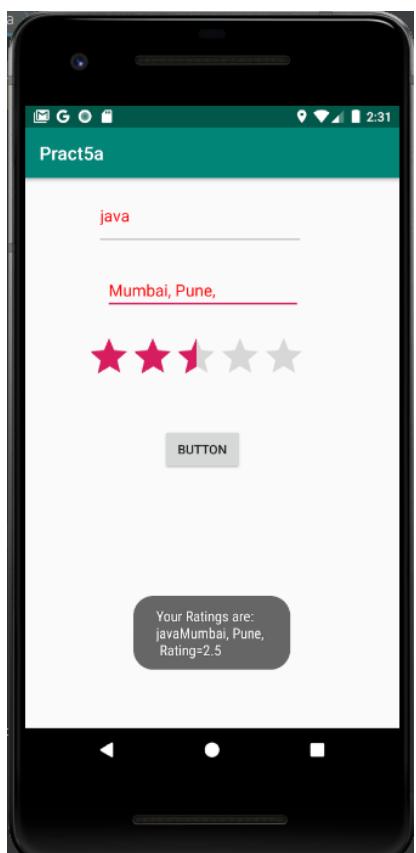
        ArrayAdapter adapter1 = new
        ArrayAdapter(this,android.R.layout.simple_dropdown_item_1line,country);
        ArrayAdapter adapter = new ArrayAdapter(this,android.R.layout.select_dialog_item,languages);
        text.setAdapter(adapter);
        text.setThreshold(1);
        text.setTextColor(Color.RED);
        text1.setAdapter(adapter1);
        text1.setThreshold(1);
        text1.setTokenizer(new MultiAutoCompleteTextView.CommaTokenizer());
        text1.setTextColor(Color.RED);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String rating = "Rating is :" + r1.getRating();

                StringBuffer sb= new StringBuffer();
                sb.append("Your Ratings are:\n");
                sb.append(text.getText());
                sb.append(text1.getText());
                sb.append("\n Rating="+String.valueOf(r1.getRating()));
                Toast.makeText(getApplicationContext(), sb.toString(), Toast.LENGTH_LONG).show();
            }
        });
    }
}

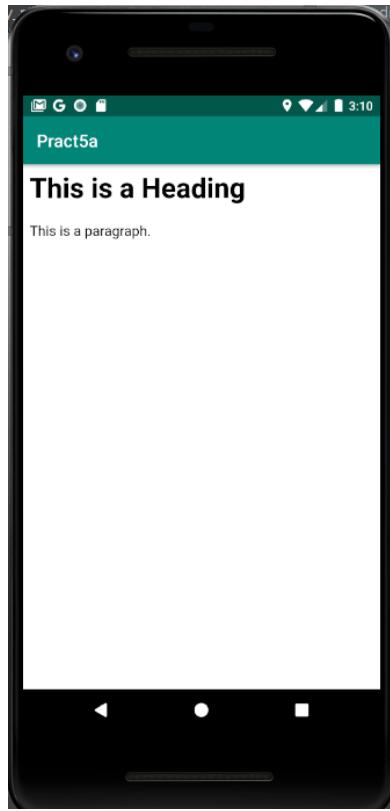
```

## OUTPUT



### c) Web View

#### GUI



#### Activity\_main4.xml

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Main4Activity">

    <WebView
        android:id="@+id/wb1"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</FrameLayout>
```

#### Main4Activity.java

```
package com.example.pract5a;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.webkit.WebView;
import android.webkit.WebViewClient;
public class Main4Activity extends AppCompatActivity {
    WebView webView;
```

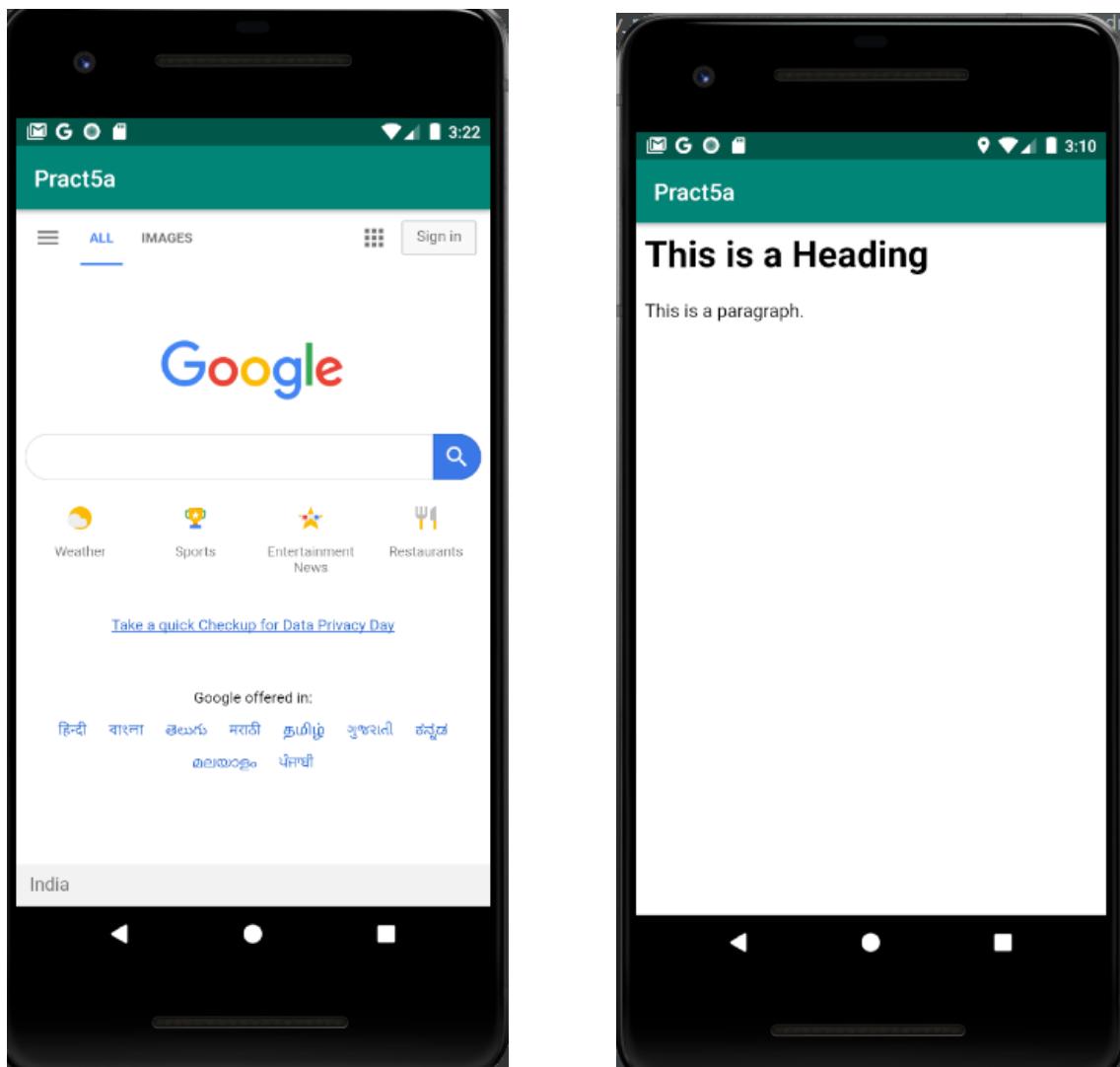
```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main4);
    String data=<html>\n+
    "<body>\n"+
    "<h1>This is a Heading</h1>\n"+
    "<p>This is a paragraph.</p>\n"+
    "</body>\n"+
    "</html>\n";
    webView=(WebView)findViewById(R.id.wb1);
    // webView.loadData(data,"text/html","UTF-8");

    webView.setWebViewClient(new WebViewClient());
    webView.loadUrl("https://www.google.com");
}
}

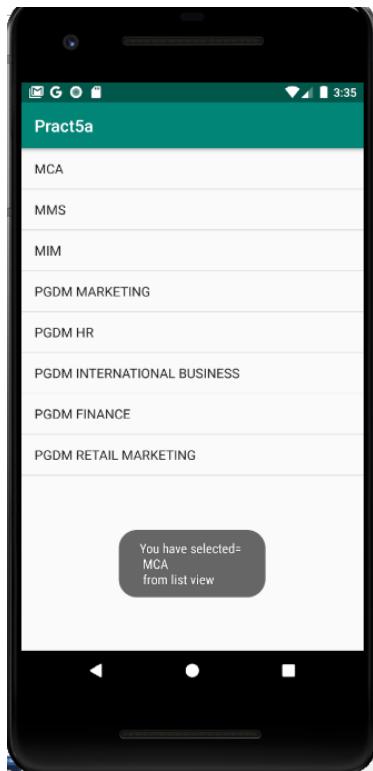
```

## OUTPUT



#### d) List View

##### GUI



#### CODE

##### Activity6main.java

```
package com.example.pract5a;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class Main6Activity extends AppCompatActivity {

    ListView mylist;
    String[] courses;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        mylist=(ListView)findViewById(R.id.list1);
```

```

courses=getResources().getStringArray(R.array.simsr_courses);
ArrayAdapter arrayAdapter=new
ArrayAdapter(this,android.R.layout.simple_list_item_1,courses);
mylist.setAdapter(arrayAdapter);

mylist.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        String itemSelected=(String) mylist.getItemAtPosition(position);
        Toast.makeText(getApplicationContext(),"You have selected= \n "+itemSelected+" \n from
list view",Toast.LENGTH_LONG).show();
    }
}
}

```

### **activity\_main6.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ListView
        android:id="@+id/list1"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>

```

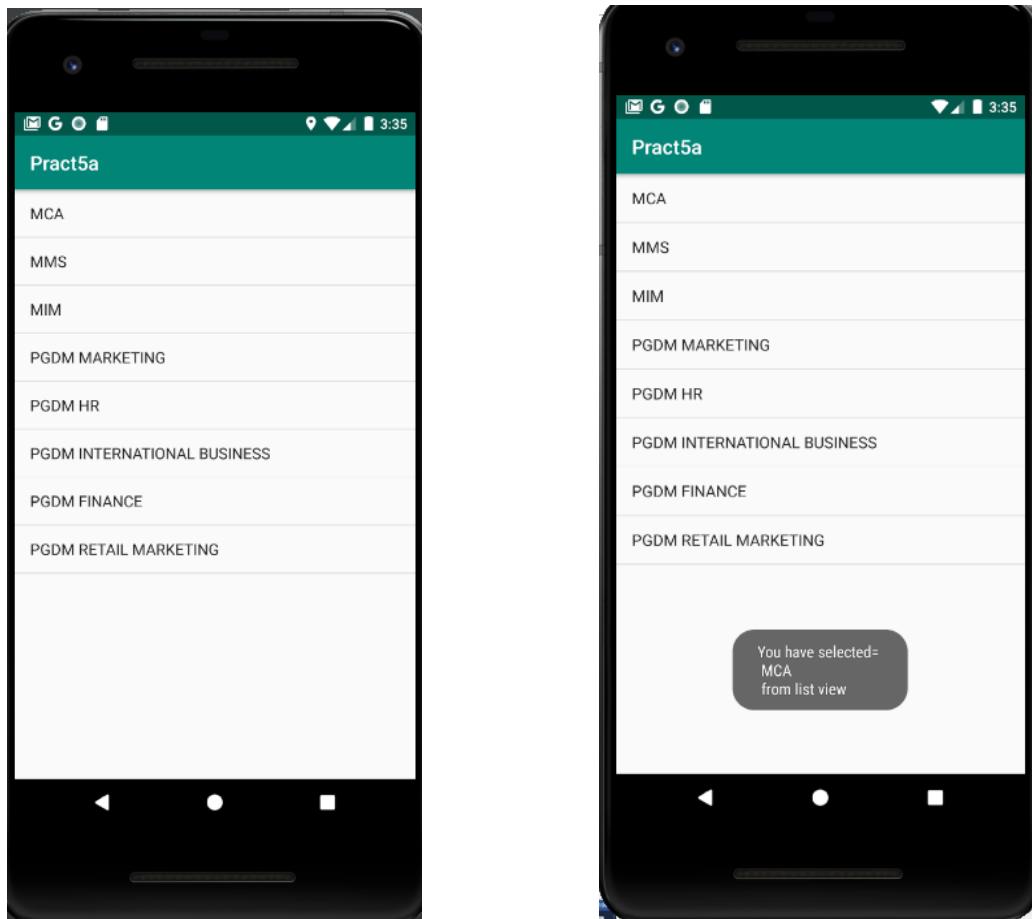
### **Strings.xml**

```

<resources>
    <string name="app_name">Pract5a</string>
    <string-array name="simsr_courses">
        <item>MCA</item>
        <item>MMS</item>
        <item>MIM</item>
        <item>PGDM MARKETING</item>
        <item>PGDM HR</item>
        <item>PGDM INTERNATIONAL BUSINESS</item>
        <item>PGDM FINANCE</item>
        <item>PGDM RETAIL MARKETING</item>
    </string-array>
</resources>

```

## OUTPUT



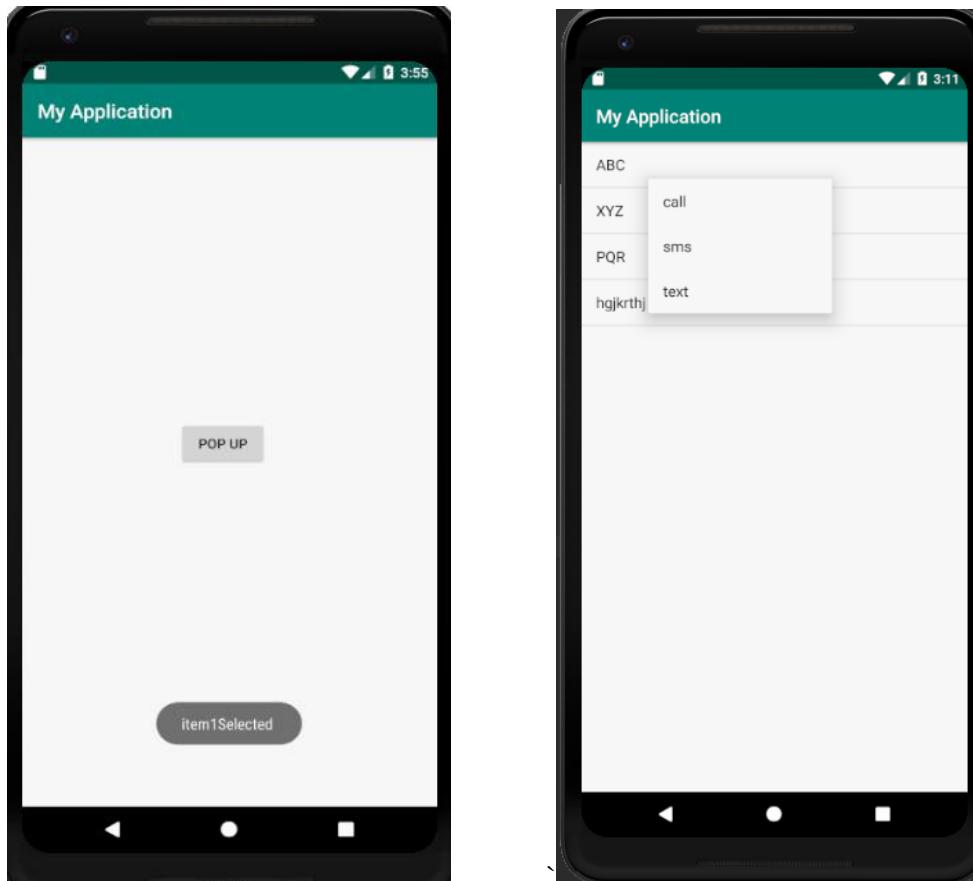
## Practical 8

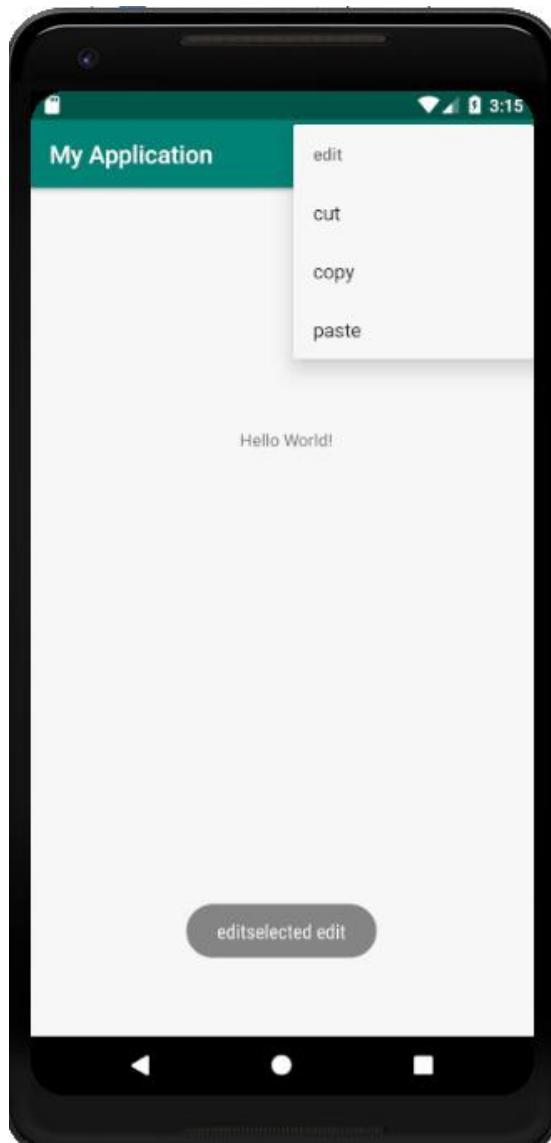
Objective-Demonstration of Android Menu

Date: 04/02/2020

a) Popup Menu, Context Menu, Option Menu

GUI





## CODE

### Popup Menu

Main3Activity.java

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.PopupMenu;
import android.widget.Toast;

public class Main3Activity extends AppCompatActivity {

    Button b1;
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main3);

    b1=(Button)findViewById(R.id.button);
    b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            PopupMenu popupMenu=new PopupMenu(getApplicationContext(),b1);
            getMenuInflater().inflate(R.menu.popup_menu,popupMenu.getMenu());

            popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
                @Override
                public boolean onMenuItemClick(MenuItem menuItem) {
                    Toast.makeText(getApplicationContext(), menuItem.getTitle()+"Selected",
                            Toast.LENGTH_LONG).show();
                    return false;
                }
            });
            popupMenu.show();
        }
    });
}

```

activity\_main3.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Main3Activity">

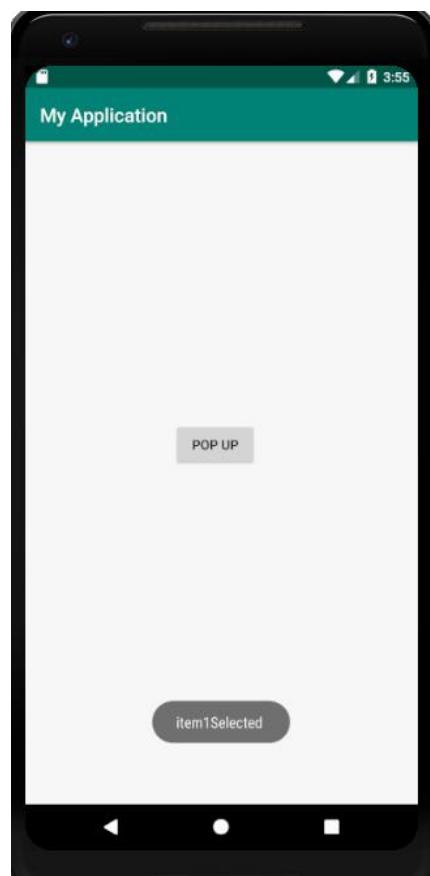
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="168dp"
        android:layout_marginRight="168dp"
        android:layout_marginBottom="353dp"
        android:text="Pop Up" />
</RelativeLayout>

```

### **Popup\_menu.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:id="@+id/item1"
        android:title="item1"/>
    <item android:id="@+id/item2"
        android:title="item2"/>
    <item android:id="@+id/item3"
        android:title="item3"/>
</menu>
```

### **OUTPUT**



## Context Menu

### Code

Main2activity.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.ContextMenu;
import android.view.MenuItem;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class Main2Activity extends AppCompatActivity {

    ListView listView;
    ArrayAdapter arrayAdapter;
    String[] contacts;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        listView=(ListView)findViewById(R.id.listview);
        contacts=getResources().getStringArray(R.array.contacts);
        arrayAdapter=new ArrayAdapter(this,android.R.layout.simple_list_item_1,contacts);
        listView.setAdapter(arrayAdapter);
        registerForContextMenu(listView);
    }

    @Override
    public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuItemInfo menuInfo) {
        getMenuInflater().inflate(R.menu.context_menu,menu);
        super.onCreateContextMenu(menu, v, menuInfo);
    }

    @Override
    public boolean onContextItemSelected(@NonNull MenuItem item) {

        if(item.getTitle().equals("call"))
        {
            Toast.makeText(this,item.getTitle()+"ing User",Toast.LENGTH_LONG).show();
        }

        else if(item.getTitle().equals("sms"))
        {
            Toast.makeText(this,item.getTitle()+"ing User",Toast.LENGTH_LONG).show();
        }
    }
}
```

```

        }

    else if(item.getTitle().equals("text"))
    {
        Toast.makeText(this,item.getTitle()+"ing User",Toast.LENGTH_LONG).show();
    }
    else
    {
        return false;
    }
    return super.onContextItemSelected(item);
}
}

```

### context\_menu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:id="@+id/call"
          android:title="call"/>

    <item android:id="@+id/sms"
          android:title="sms"/>

    <item android:id="@+id/text"
          android:title="text"/>

</menu>

```

### Activity\_main2.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Main2Activity">

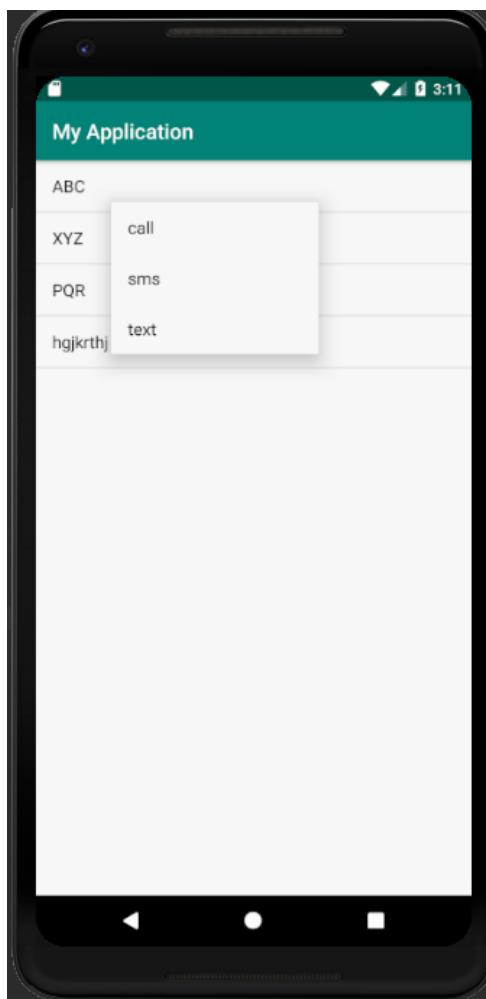
    <ListView
        android:id="@+id/listview"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>

```

### Strings.xml

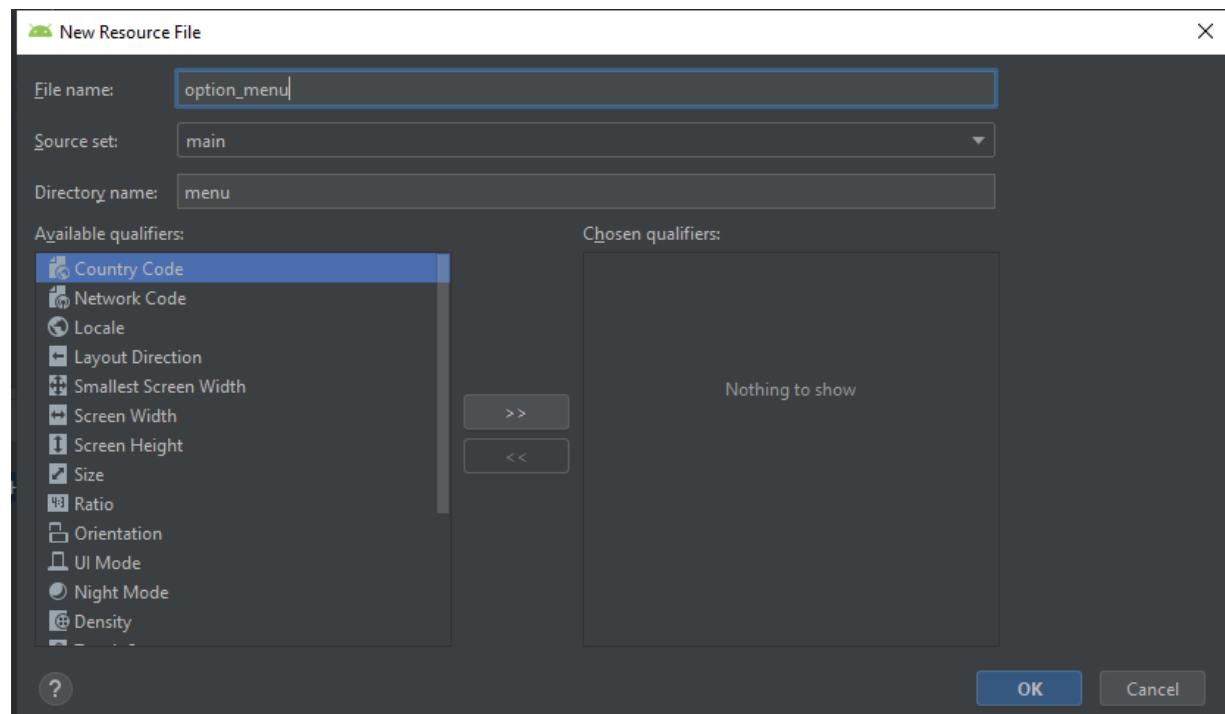
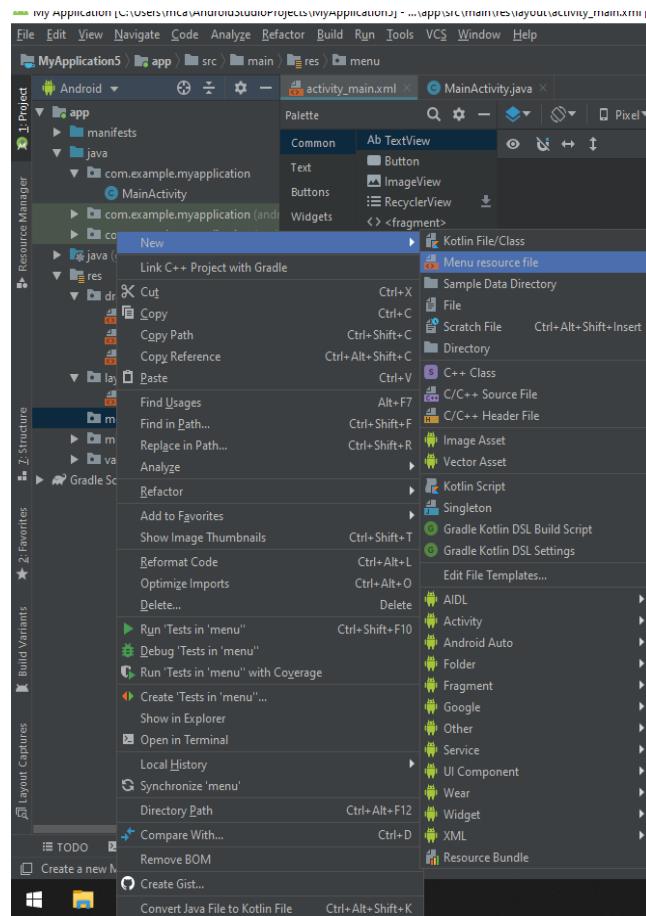
```
<resources>
    <string name="app_name">My Application</string>
    <string-array name="contacts">
        <item>ABC</item>
        <item>XYZ</item>
        <item>PQR</item>
        <item>hgjkrthj</item>
    </string-array></resources>
```

### OUTPUT



## Options Menu

### Steps



**Repeat the above steps for other menus as well**

## Code

MainActivity.java

```
package com.example.myapplication;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

        MenuInflater inflater=new MenuInflater(this);
        inflater.inflate(R.menu.option_menu,menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {

        switch (item.getItemId()){

            case R.id.bluetooth:
                Toast.makeText(this,item.getTitle()+"selected bluetooth",Toast.LENGTH_LONG).show();
                return true;

            case R.id.file:
                Toast.makeText(this,item.getTitle()+"selected file",Toast.LENGTH_LONG).show();
                return true;

            case R.id.edit:
                Toast.makeText(this,item.getTitle()+"selected edit",Toast.LENGTH_LONG).show();
                return true;

            case R.id.cut:
                Toast.makeText(this,item.getTitle()+"selected cut",Toast.LENGTH_LONG).show();
                return true;

            case R.id.copy:
                Toast.makeText(this,item.getTitle()+"selected copy",Toast.LENGTH_LONG).show();
                return true;

            case R.id.paste:
                Toast.makeText(this,item.getTitle()+"selected paste",Toast.LENGTH_LONG).show();
                return true;
        }
    }
}
```

```
    default:  
        return super.onOptionsItemSelected(item);  
    }}}
```

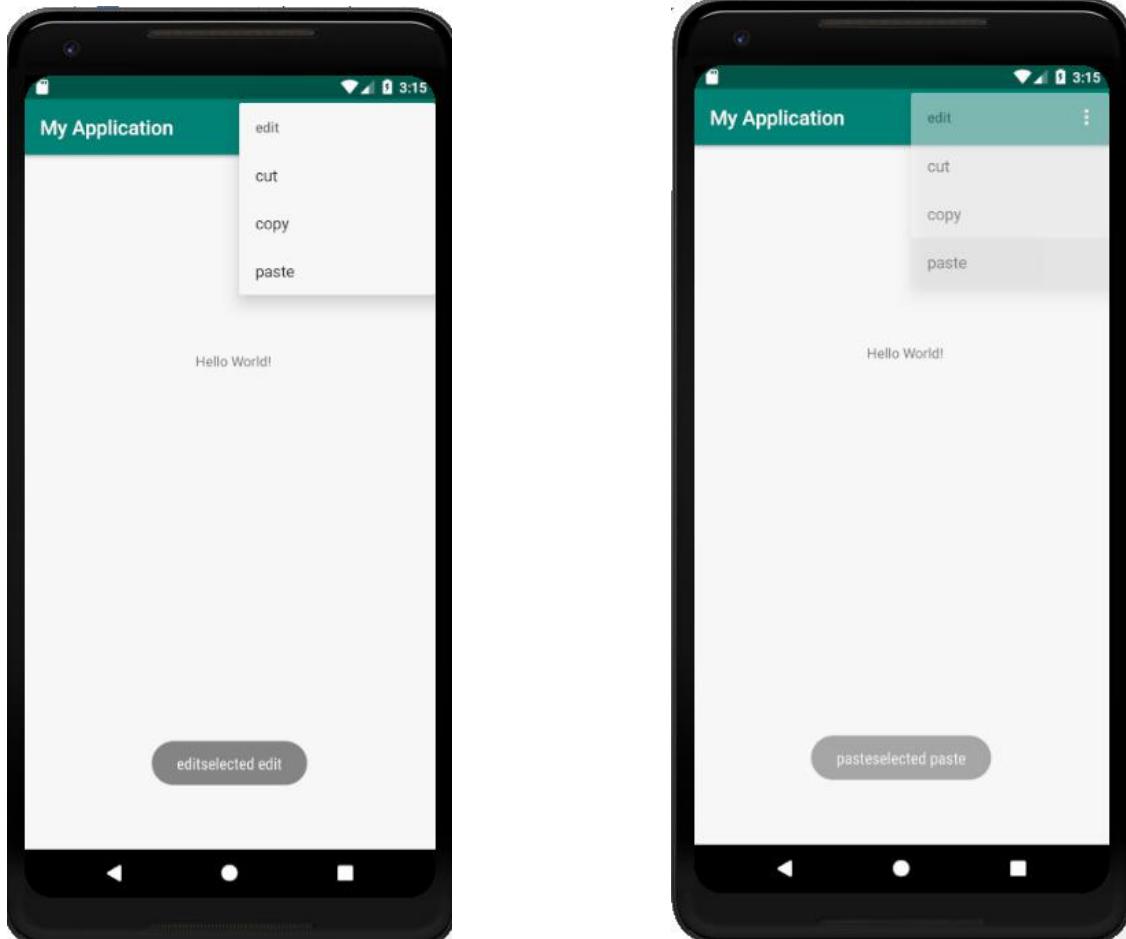
### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MainActivity">  
  
    <TextView  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_alignParentEnd="true"  
        android:layout_alignParentRight="true"  
        android:layout_alignParentBottom="true"  
        android:layout_marginEnd="164dp"  
        android:layout_marginRight="164dp"  
        android:layout_marginBottom="479dp"  
        android:text="Hello World!"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintLeft_toLeftOf="parent"  
        app:layout_constraintRight_toRightOf="parent"  
        app:layout_constraintTop_toTopOf="parent" />  
  
</RelativeLayout>
```

### option\_menu.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
      xmlns:app="http://schemas.android.com/apk/res-auto">  
    <item android:id="@+id/bluetooth"  
          android:title="bluetooth"  
          android:icon="@drawable/ic_bluetooth"  
          app:showAsAction="ifRoom"/>  
  
    <item android:id="@+id/file"  
          android:title="file"/>  
    <item android:id="@+id/edit"  
          android:title="edit">  
      <menu>  
        <item android:id="@+id/cut"  
              android:title="cut"/>  
        <item android:id="@+id/copy"  
              android:title="copy"/>  
        <item android:id="@+id/paste"  
              android:title="paste"/>  
      </menu>  
    </item>  
  </menu>
```

## OUTPUT



## Practical 9

### Objective- Localization

Date: 11/02/2020

### GUI



### Code

#### MainActivity.java

```
package com.example.localization;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.content.SharedPreferences;
import android.content.res.Configuration;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

import java.util.Locale;

public class MainActivity extends AppCompatActivity {

    TextView welcome,t2;
    EditText e1,e2;
    Button b1,change;
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    loadLocale();
    setContentView(R.layout.activity_main);

    welcome=(TextView)findViewById(R.id.tv);
    e1=(EditText)findViewById(R.id.editText);
    e2=(EditText)findViewById(R.id.editText2);
    b1=(Button)findViewById(R.id.button);
    t2=(TextView)findViewById(R.id.textView2);
    change=(Button)findViewById(R.id.button2);

    change.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            showLanguageDialog();
        }
    });
}

private void showLanguageDialog() {
    final String[] langList={"मराठी","हिंदी","ಕನ್ನಡ","English"};
    AlertDialog.Builder builder=new AlertDialog.Builder(this);
    builder.setTitle("Select your language");

    builder.setSingleChoiceItems(langList, -1, new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int i) {
            if(i==0)
            {
                setLocale("mr");
                recreate();
            }
            else if(i==1)
            {
                setLocale("hi");
                recreate();
            }
            else if(i==2)
            {
                setLocale("kn");
                recreate();
            }
            else if(i==3)
            {
                setLocale("en");
                recreate();
            }
        }
    });
}

```

```

        dialogInterface.dismiss();
    });
builder.create();
builder.show();
}

private void setLocale(String lang) {
    Locale locale=new Locale(lang);
    locale.setDefault(locale);
    Configuration configuration=new Configuration();
    configuration.locale=locale;
    getBaseContext().getResources().updateConfiguration(configuration,getBaseContext().getResources().getDisplayMetrics());
    SharedPreferences.Editor editor= getSharedPreferences("settings", MODE_PRIVATE).edit();
    editor.putString("My_Lang",lang);
    editor.apply();
}

public void loadLocale(){
    SharedPreferences preferences= getSharedPreferences("settings", MODE_PRIVATE);
    String language=preferences.getString("My_Lang","");
    setLocale(language);
}
}

```

### Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="100dp"
        android:layout_marginRight="100dp"
        android:layout_marginBottom="50dp"
        android:ems="10"
        android:hint="@string/email"
        android:inputType="textPersonName" />

```

```
<TextView  
    android:id="@+id/tv"  
    android:layout_width="171dp"  
    android:layout_height="wrap_content"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentRight="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginEnd="119dp"  
    android:layout_marginRight="119dp"  
    android:layout_marginBottom="595dp"  
    android:text="@string/welcome"  
    android:textSize="20dp" />
```

```
<EditText  
    android:id="@+id/editText2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentRight="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginEnd="96dp"  
    android:layout_marginRight="96dp"  
    android:layout_marginBottom="425dp"  
    android:ems="10"  
    android:inputType="textPersonName"  
    android:hint="@string/password" />
```

```
<Button  
    android:id="@+id/button"  
    android:layout_width="126dp"  
    android:layout_height="wrap_content"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentRight="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginEnd="142dp"  
    android:layout_marginRight="142dp"  
    android:layout_marginBottom="330dp"  
    android:text="@string/login" />
```

```
<TextView  
    android:id="@+id/textView2"  
    android:layout_width="wrap_content"  
    android:layout_height="42dp"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentRight="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginEnd="28dp"  
    android:layout_marginRight="28dp"  
    android:layout_marginBottom="254dp"  
    android:text="@string/signup"  
    android:textSize="20dp" />
```

```
<Button  
    android:id="@+id/button2"  
    android:layout_width="243dp"
```

```

    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="75dp"
    android:layout_marginRight="75dp"
    android:layout_marginBottom="164dp"
    android:text="@string/change" />
</RelativeLayout>
```

### Strings.xml

```

<resources>
    <string name="app_name">स्थानीयकरण</string>
    <string name="welcome">You are welcome</string>
    <string name="email">आपका स्वागत है</string>
    <string name="password">पास वर्ड दर्ज करें</string>
    <string name="login">लॉग इन करें</string>
    <string name="signup">क्या आपके पास कोई खाता नहीं है? साइन अप करें</string>
    <string name="change">भाषा बदलो</string>
</resources>
```

### Hi\strings.xml

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">Localization</string>
    <string name="welcome">You are welcome</string>
    <string name="email">Enter email</string>
    <string name="password">Enter password</string>
    <string name="login">Login</string>
    <string name="signup">Dont have an account? SignUp</string>
    <string name="change">Change Language</string>
</resources>
```

### Mr\strings.xml

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">स्थानिकीकरण</string>
    <string name="welcome">आपले स्वागत आहे</string>
    <string name="email">ईमेल प्रविष्ट करा</string>
    <string name="password">पासवर्ड टाका</string>
    <string name="login">लॉगिन</string>
    <string name="signup">खाते नाही? साइन अप</string>
    <string name="change">भाषा बदला</string>
</resources>
```

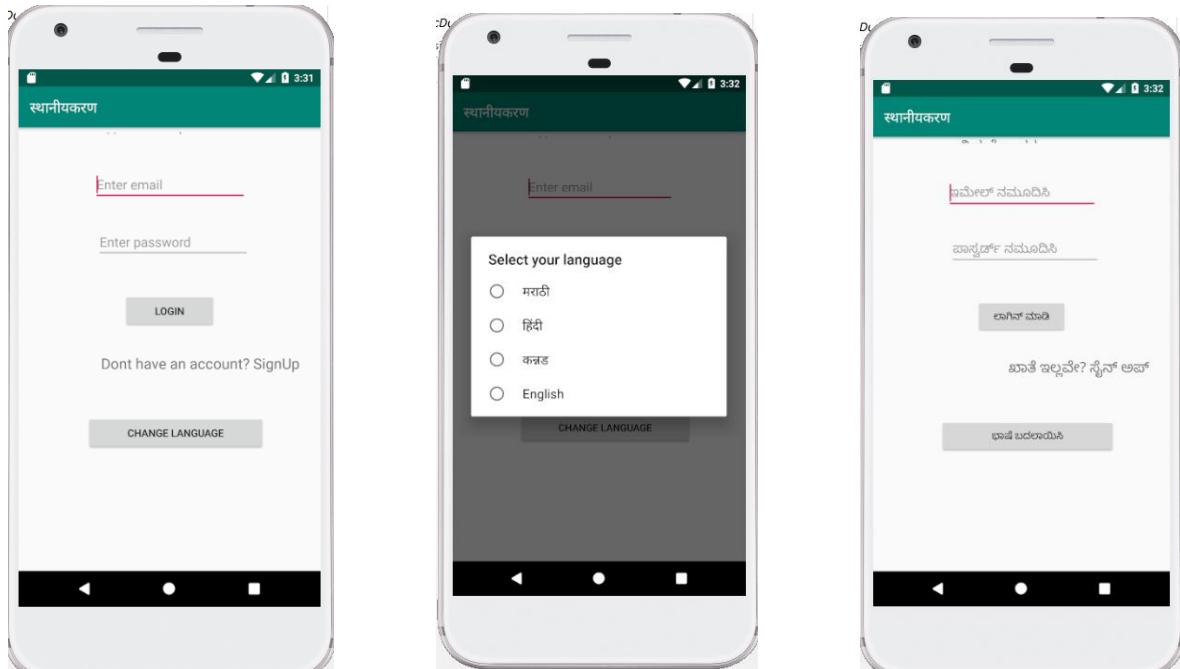
### Kn\Strings.xml

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">नेहोर्चरण</string>
```

```
<string name="welcome">निमुक्त नावागत</string>
<string name="email">जमेला नमुक्तीसि</string>
<string name="password">पास्वर्ड नमुक्तीसि</string>
<string name="login">लागिना व्हाक्ते</string>
<string name="signup">भाटे जल्लवै? सुना अप्पा</string>
<string name="change">भाष्य बदलायीसि</string>
</resources>
```

## OUTPUTS

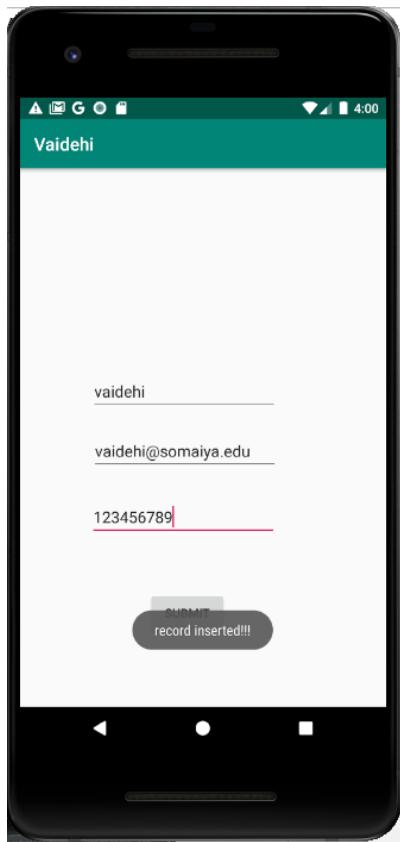


## Practical 10

**Objective- SQLite Database Connectivity**

**Date:** 20/02/2020

### GUI



### CODE

#### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editText3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="123dp"
        android:layout_marginRight="123dp"
        android:layout_marginBottom="190dp"
        android:ems="10"
        android:hint="Enter Phone Number"/>
```

```

        android:inputType="phone" />

<EditText
    android:id="@+id/editText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="122dp"
    android:layout_marginRight="122dp"
    android:layout_marginBottom="331dp"
    android:ems="10"
    android:hint="Enter Name"
    android:inputType="textPersonName" />

<EditText
    android:id="@+id/editText2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="121dp"
    android:layout_marginRight="121dp"
    android:layout_marginBottom="264dp"
    android:ems="10"
    android:hint="Enter Email"
    android:inputType="textPersonName" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="179dp"
    android:layout_marginRight="179dp"
    android:layout_marginBottom="81dp"
    android:text="Submit" />
</RelativeLayout>
```

### MainActivity.java

```

package com.example.vaidehi;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
```

```

public class MainActivity extends AppCompatActivity {
    DatabaseHelper db;
    EditText name,email,phone;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        db=new DatabaseHelper(this);

        //binding
        name=(EditText)findViewById(R.id.editText);
        email=(EditText)findViewById(R.id.editText2);
        phone=(EditText)findViewById(R.id.editText3);
        b1=(Button)findViewById(R.id.button);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                boolean
                res= db.insertData(name.getText().toString(),email.getText().toString(),phone.getText().toString());

                if(res== true)
                {
                    Toast.makeText(getApplicationContext(),"record
inserted!!!",Toast.LENGTH_LONG).show();
                }
                else
                {
                    Toast.makeText(getApplicationContext(),"record not
inserted!",Toast.LENGTH_LONG).show();
                } }});}}
```

### **DatabaseHelper.java**

```

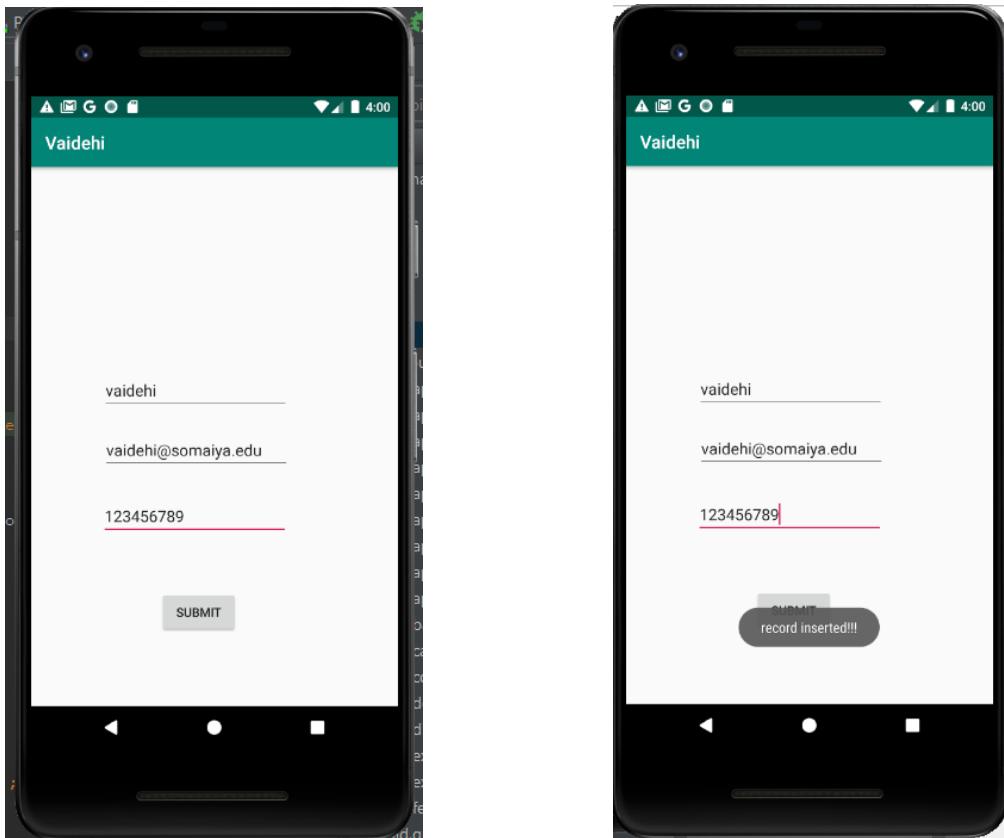
package com.example.vaidehi;
import android.content.ContentValues;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

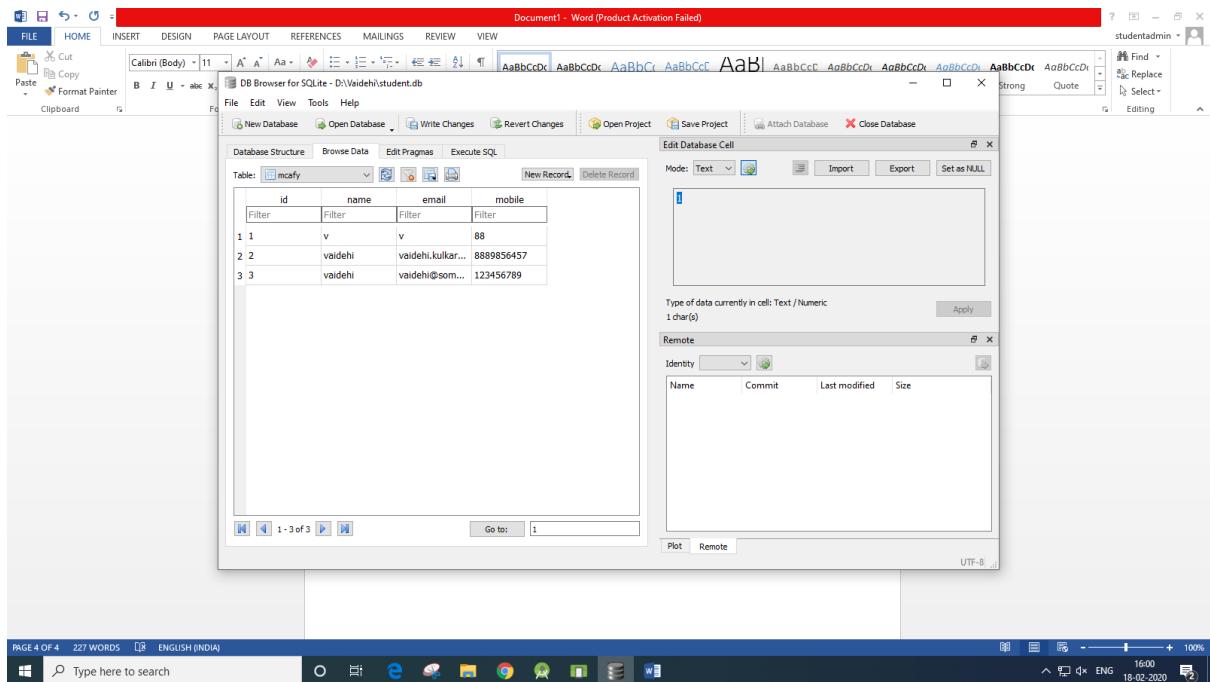
import androidx.annotation.Nullable;

public class DatabaseHelper extends SQLiteOpenHelper {
    public DatabaseHelper(@Nullable Context context) {
        super(context,"student.db",null,1);
    }
    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create table mcaf (id integer primary key autoincrement,name text,email
text,mobile long)");
    }
}
```

```
@Override  
public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
  
}  
public boolean insertData(String name, String email, String phone)  
{  
    SQLiteDatabase db=this.getWritableDatabase();  
    ContentValues contentValues=new ContentValues();  
    contentValues.put("name",name);  
    contentValues.put("email",email);  
    contentValues.put("mobile",phone);  
    long res=db.insert("mcafy",null,contentValues);  
    if(res == -1)  
    {  
        return false;  
    }  
    else  
    {  
        return true;  
    }  
}
```

## OUTPUTS



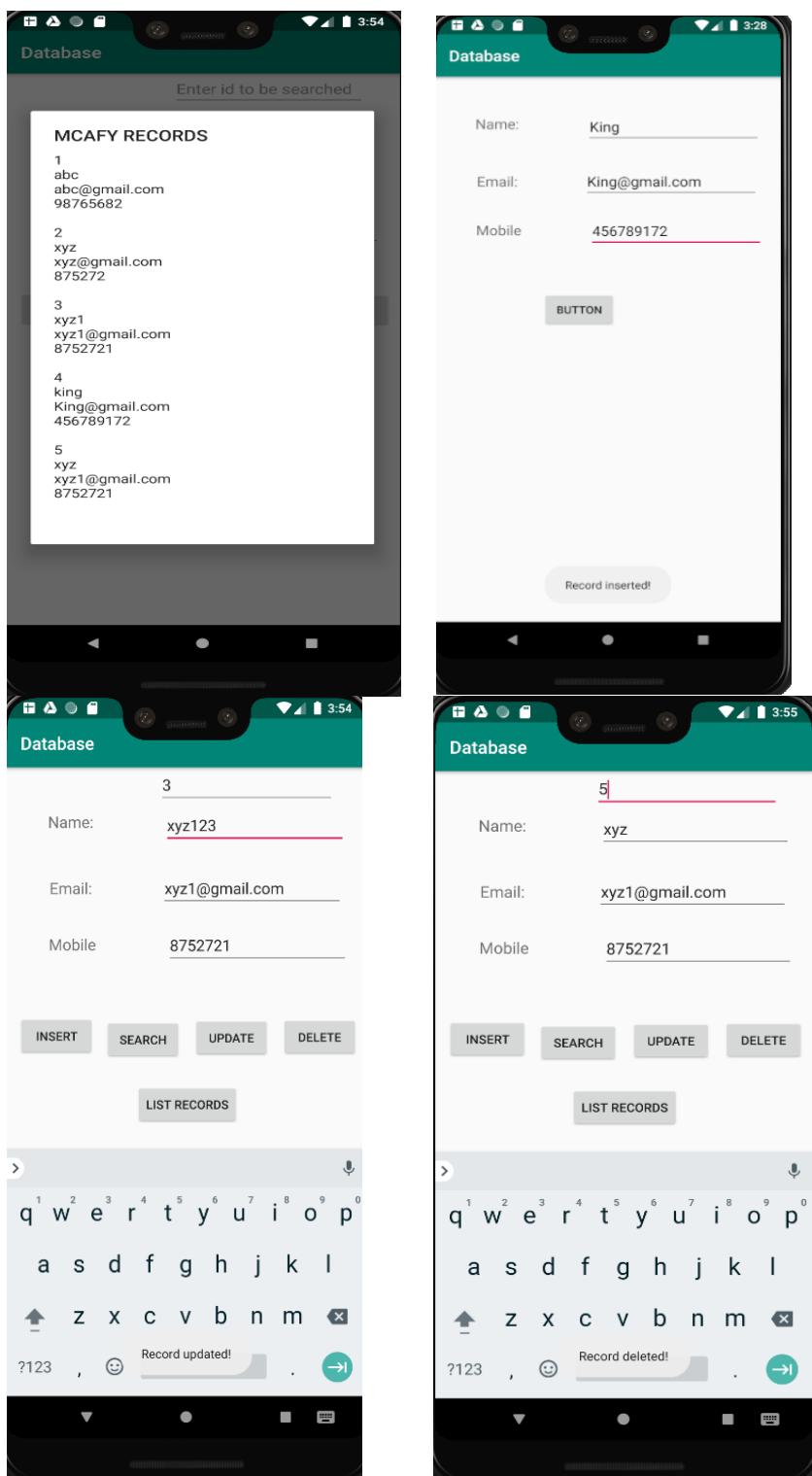


## Practical 11

Objective-SQLite Database Connectivity with CRUD operations

Date: 20/02/2020

### GUI



## CODE

### MainActivity.java

```
package com.example.bluetooth;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    DatabaseHelper db;
    EditText e1,e2,e3,e4;
    Button b1,b2,b3,b4,b5;
    StringBuffer stringBuffer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        db=new DatabaseHelper(MainActivity.this);

        e1=findViewById(R.id.name);
        e2=findViewById(R.id.email);
        e3=findViewById(R.id.phone);
        e4=findViewById(R.id.editText4);
        b1=findViewById(R.id.button);
        b2=findViewById(R.id.button2);
        b3=findViewById(R.id.button3);
        b4=findViewById(R.id.button4);
        b5=findViewById(R.id.button5);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                boolean res=db.insertData(e1.getText().toString(),e2.getText().toString(),e3.getText().toString());
                if(res == true)
                    Toast.makeText(getApplicationContext(),"Record inserted!",Toast.LENGTH_LONG).show();
                else
                    Toast.makeText(getApplicationContext(),"Record not inserted!",Toast.LENGTH_LONG).show();

            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Cursor records=db.getRecords();
                stringBuffer=new StringBuffer();
            }
        });
    }
}
```

```

        if(records==null)
            showMessage("NO RECORDS ERROR","");
        else {
            while (records.moveToNext()) {
                stringBuffer.append(records.getString(0)).append("\n");
                stringBuffer.append(records.getString(1)).append("\n");
                stringBuffer.append(records.getString(2)).append("\n");
                stringBuffer.append(records.getString(3)).append("\n\n");
            }
        }
        showMessage("MCAFY RECORDS",stringBuffer.toString());
    });
b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Cursor res=db.search(e4.getText().toString());
        if(res==null)
            Toast.makeText(getApplicationContext(),"No records
found!",Toast.LENGTH_LONG).show();
        else {
            while (res.moveToNext()) {
                e1.setText(res.getString(1));
                e2.setText(res.getString(2));
                e3.setText(res.getString(3));
            }
        }
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        boolean
res=db.updateRecord(e4.getText().toString(),e1.getText().toString(),e2.getText().t
oString(),e3.getText().toString());
        if(res == true)
            Toast.makeText(getApplicationContext(),"Record
updated!",Toast.LENGTH_LONG).show();
        else
            Toast.makeText(getApplicationContext(),"Record not
updated!",Toast.LENGTH_LONG).show();
    }
});
b5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        boolean res=db.deleteRecord(e4.getText().toString());
        if(res == true)
            Toast.makeText(getApplicationContext(),"Record
deleted!",Toast.LENGTH_LONG).show();
        else
            Toast.makeText(getApplicationContext(),"Record not
deleted!",Toast.LENGTH_LONG).show();
    }
});

```

```

        }

    public void showMessage(String title, String message){
        AlertDialog.Builder builder=new AlertDialog.Builder(this);
        builder.setTitle(title);
        builder.setMessage(message);
        builder.setCancelable(true);
        builder.show();
    }

}

```

### Databasehelper.java

```

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DatabaseHelper extends SQLiteOpenHelper{
    public DatabaseHelper(@Nullable Context context) {
        super(context, "student17.db", null, 1);
        SQLiteDatabase db =
                this.getWritableDatabase();
    }

    @Override
    public void onCreate(SQLiteDatabase db) {

        db.execSQL("create table mcafy (id integer primary key autoincrement,name text,email text,mobile long)");
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

    }

    public boolean insertData(String name, String email, String mobile) {
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put("name", name);
        contentValues.put("email", email);
        contentValues.put("mobile", mobile);

        long res = db.insert("mcafy", null, contentValues);
        if (res == -1)
            return false;
        else
            return true;
    }
}

```

```

    }
    public boolean updateRecord(String id, String name, String email, String mobile)
    {
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put("id", id);
        contentValues.put("name", name);
        contentValues.put("email", email);
        contentValues.put("mobile", mobile);
        long res = db.update("mcafy", contentValues, "id=?", new String[] {id});
        if (res == -1)
            return false;
        else
            return true;
    }

    public boolean deleteRecord(String id) {
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        long res = db.delete("mcafy", "id=?", new String[] {id});
        if (res == -1)
            return false;
        else
            return true;
    }

    public Cursor getRecords(){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("select * from mcafy", null);
        System.out.println("records:"+res.toString());
        return res;
    }
    public Cursor search(String id){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("select * from mcafy where id="+id, null);
        return res;
    }
}

```

## Activity\_main.xml

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="23dp"
        android:layout_marginRight="23dp"/>

```

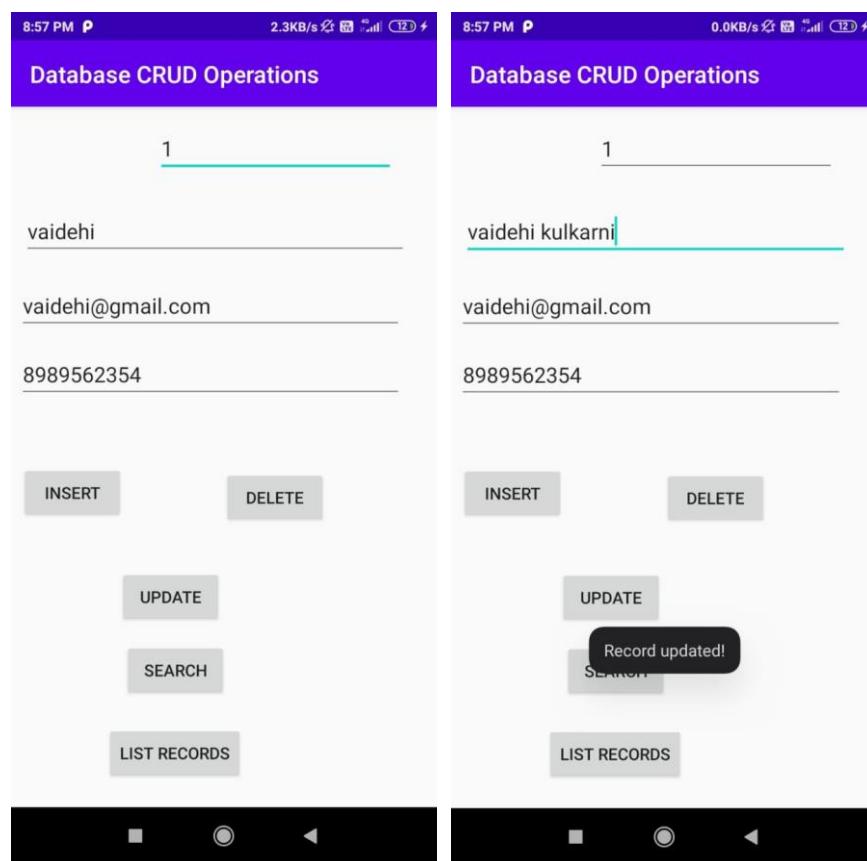
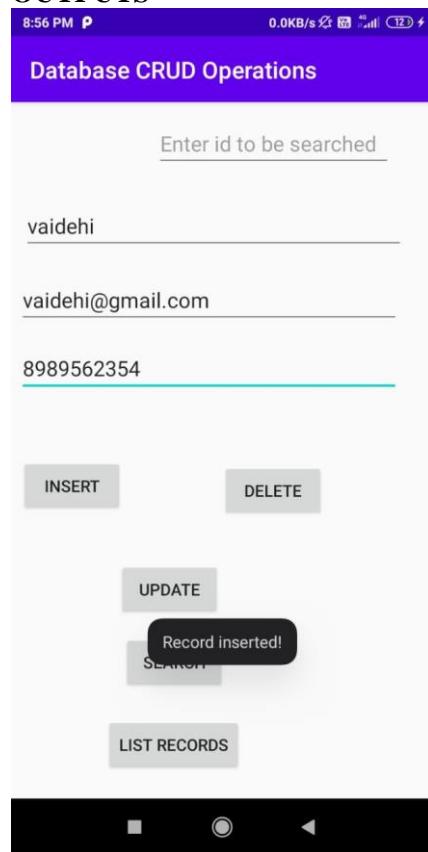
```
    android:layout_marginBottom="629dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Name" />

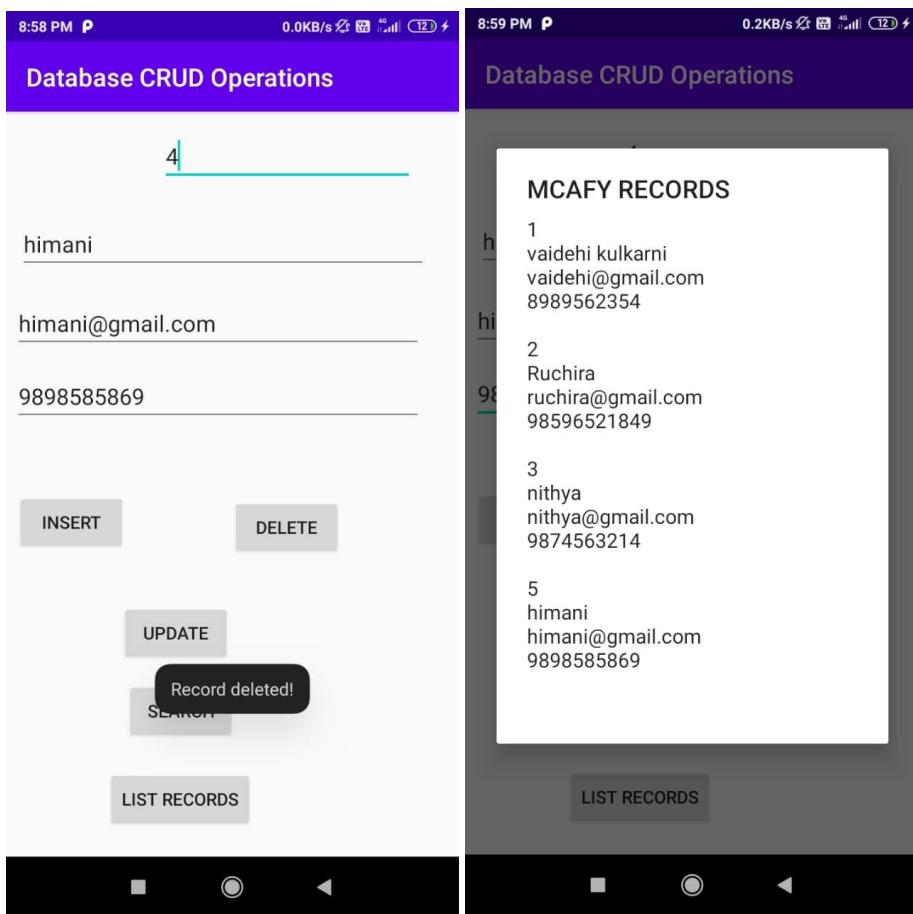
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="310dp"
    android:layout_marginRight="310dp"
    android:layout_marginBottom="387dp"
    android:text="Insert" />
<EditText
    android:id="@+id/email"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="26dp"
    android:layout_marginRight="26dp"
    android:layout_marginBottom="557dp"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:hint="Email"/>
<EditText
    android:id="@+id/phone"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:layout_marginBottom="492dp"
    android:ems="10"
    android:inputType="phone"
    android:hint="Phone"/>
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="145dp"
    android:layout_marginRight="145dp"
    android:layout_marginBottom="309dp"
    android:text="List records" />
<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
```

```
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="211dp"
        android:layout_marginRight="211dp"
        android:layout_marginBottom="383dp"
        android:text="@android:string/search_go" />
<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="110dp"
    android:layout_marginRight="110dp"
    android:layout_marginBottom="385dp"
    android:text="Update" />
<Button
    android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="9dp"
    android:layout_marginRight="9dp"
    android:layout_marginBottom="386dp"
    android:text="Delete" />

<EditText
    android:id="@+id/editText4"
    android:layout_width="201dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="36dp"
    android:layout_marginRight="36dp"
    android:layout_marginBottom="675dp"
    android:ems="10"
    android:hint="Enter id to be searched"
    android:inputType="textPersonName" />
</RelativeLayout>
```

## OUTPUTS





DB Browser for SQLite - E:\Database\student.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save

Database Structure Browse Data Edit Pragmas Execute SQL

Table: mcaf

	id	name	email	mobile
1	1	vaidehi kulkarni	vaidehi@gmai...	8989562354
2	2	Ruchira	ruchira@gmai...	98596521849
3	3	nithya	nithya@gmail...	9874563214
4	5	himani	himani@gmai...	9898585869

## Project

### Objective- Event Information and Management Application

#### Code

##### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical"
    android:background="@drawable/starbackground">

    <ImageView
        android:id="@+id/AppLogo"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginLeft="120dp"
        android:layout_marginTop="100dp"
        android:src="@drawable/iconlogo" />

    <TextView
        android:id="@+id/splash"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentBottom="true"
        android:gravity="center"
        android:layout_marginTop="50dp"
        android:lineSpacingExtra="8dp"
        android:text="SIMSR ICON\nFEST"
        android:textAlignment="center"
        android:textColor="#FFF"
        android:textSize="38sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</LinearLayout>
```

## Activity\_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Login"
    android:background="@drawable/backa">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginTop="83dp"
        android:layout_marginEnd="162dp"
        android:layout_marginRight="162dp"
        android:layout_marginBottom="477dp"
        android:fontFamily="@font/chelsea_market"
        android:gravity="center"
        android:text="Sign In"
        android:textAlignment="center"
        android:textColor="#3f9fff"
        android:textSize="30dp"></TextView>

    <EditText
        android:id="@+id/username"
        android:layout_width="wrap_content"
        android:layout_height="55dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_marginStart="45dp"
        android:layout_marginLeft="45dp"
        android:layout_marginTop="172dp"
        android:layout_marginEnd="38dp"
        android:layout_marginRight="38dp"
        android:background="@drawable/et_style"
        android:ems="10"
        android:gravity="center"
        android:hint="User Name"
        android:inputType="textPersonName"
        android:textAlignment="center"
        android:textColor="#0274be"
        android:textColorHint="#3f9fff"
        android:textSize="25dp"
        app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/password"
    android:layout_width="wrap_content"
    android:layout_height="55dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="45dp"
    android:layout_marginLeft="45dp"
    android:layout_marginTop="247dp"
    android:layout_marginEnd="39dp"
    android:layout_marginRight="39dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:hint="Password"
    android:inputType="textPassword"
    android:textAlignment="center"
    android:gravity="center"
    android:textColor="#0274be"
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />

<Button
    android:id="@+id	btnLogin"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="161dp"
    android:layout_marginRight="161dp"
    android:layout_marginBottom="204dp"
    android:background="@drawable/btn"
    android:text="Login"
    android:textColor="#3f9fff"
    android:textSize="18dp"
    app:fontFamily="@font/armata">
</Button>

<TextView
    android:id="@+id/signuptext"
    android:layout_width="wrap_content"
    android:layout_height="41dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="463dp"
    android:layout_marginBottom="99dp"
    android:fontFamily="@font/ubuntu_medium"
    android:text="Don't have an Account? Sign Up"
    android:textColor="#3f9fff"
    android:textSize="20dp"
```

```
    app:fontFamily="@font/ubuntu_medium" />
</RelativeLayout>
```

### Activity\_registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Registration"
    android:background="@drawable/backa">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginTop="38dp"
        android:layout_marginEnd="149dp"
        android:layout_marginRight="149dp"
        android:layout_marginBottom="524dp"
        android:fontFamily="@font/chelsea_market"
        android:gravity="center"
        android:text="Sign Up"
        android:textAlignment="center"
        android:textColor="#3f9fff"
        android:textSize="30dp"></TextView>

    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="50dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_marginStart="55dp"
        android:layout_marginLeft="55dp"
        android:layout_marginTop="118dp"
        android:layout_marginEnd="29dp"
        android:layout_marginRight="29dp"
        android:background="@drawable/et_style"
        android:ems="10"
        android:gravity="center"
        android:hint="Name"
        android:inputType="textPersonName"
        android:textAlignment="center"
        android:textColor="#0274be"
```

```
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />

<EditText
    android:id="@+id/email"
    android:layout_width="wrap_content"
    android:layout_height="50dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="55dp"
    android:layout_marginLeft="55dp"
    android:layout_marginTop="184dp"
    android:layout_marginEnd="29dp"
    android:layout_marginRight="29dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Email"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#0274be"
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/collegeName"
    android:layout_width="wrap_content"
    android:layout_height="50dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="56dp"
    android:layout_marginLeft="56dp"
    android:layout_marginTop="247dp"
    android:layout_marginEnd="29dp"
    android:layout_marginRight="29dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="College Name"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#0274be"
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />
```

```
<EditText
```

```
    android:id="@+id/Mobile"
    android:layout_width="wrap_content"
    android:layout_height="50dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="49dp"
    android:layout_marginLeft="49dp"
    android:layout_marginTop="316dp"
    android:layout_marginEnd="29dp"
    android:layout_marginRight="29dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Mobile Number"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#0274be"
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />
```

#### <EditText

```
    android:id="@+id/pwd"
    android:layout_width="wrap_content"
    android:layout_height="50dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginStart="49dp"
    android:layout_marginLeft="49dp"
    android:layout_marginTop="388dp"
    android:layout_marginEnd="29dp"
    android:layout_marginRight="29dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Password"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#0274be"
    android:textColorHint="#3f9fff"
    android:textSize="25dp"
    app:fontFamily="@font/armata" />
```

#### <Button

```
    android:id="@+id/signup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
```

```

        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="163dp"
        android:layout_marginRight="163dp"
        android:layout_marginBottom="84dp"
        android:background="@drawable	btn"
        android:text="Sign Up"
        android:textColor="#3f9fff"
        android:textSize="18dp"
        app:fontFamily="@font/armata">

    </Button>

    <TextView
        android:id="@+id/signinText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="77dp"
        android:layout_marginRight="77dp"
        android:layout_marginBottom="43dp"
        android:text="Already have an account! Sign In"
        android:textColor="#3f9fff"
        android:textSize="17dp"
        app:fontFamily="@font/ubuntu_medium"></TextView>

</RelativeLayout>

```

### **Activity\_home\_page.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".HomePage"
    android:background="@drawable/background">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/ongoing"
            android:layout_width="180dp"
            android:layout_height="wrap_content"
            android:background="@drawable	btn"

```

```

        android:textColor="#000080"
        android:textStyle="bold"
        android:text="OnGOing Events">></Button>

<Button
    android:id="@+id/upcoming"
    android:layout_width="180dp"
    android:layout_height="wrap_content"
    android:text="Upcoming events"
    android:background="@drawable	btn"
    android:textColor="#000080"
    android:textStyle="bold">></Button>

</LinearLayout>

<LinearLayout
    android:id="@+id/linear"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <ListView
        android:id="@+id/listview1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:visibility="gone"
        />

    <ListView
        android:id="@+id/listview2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:visibility="gone"/>

</LinearLayout>

</LinearLayout>

```

### **Activity\_my\_profile.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/contentPanel"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/d"
    android:orientation="vertical"
    tools:context=".myProfile">

    <EditText
        android:id="@+id/uName"

```

```
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:background="@drawable/et_style"
    android:layout_marginTop="20dp"
    android:textColor="#000000"
    android:ems="10"
    android:hint="Name"
    android:padding="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:inputType="textPersonName" />
```

<EditText

```
    android:id="@+id/uEmail"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:textColor="#000000"
    android:ems="10"
    android:hint="Email ID"
    android:padding="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/et_style"
    android:inputType="textPersonName" />
```

<EditText

```
    android:id="@+id/uCollege"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:ems="10"
    android:hint="College Name"
    android:textColor="#000000"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/et_style"
    android:inputType="textPersonName"
    android:padding="10dp"/>
```

<EditText

```
    android:id="@+id/uMobile"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:ems="10"
    android:hint="Mobile Number"
    android:maxLength="10"
    android:textColor="#000000"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/et_style"
    android:inputType="phone"
    android:padding="10dp"/>
```

```

<EditText
    android:id="@+id/uPass"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:ems="10"
    android:hint="Password"
    android:textColor="#000000"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/et_style"
    android:inputType="textPersonName"
    android:padding="10dp"/>

<Button
    android:id="@+id/updateBtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="130dp"
    android:layout_marginTop="60dp"
    android:background="@drawable	btn"
    android:text="Edit"
    android:textColor="#000000"
    android:textSize="18dp"
    app:fontFamily="@font/armata">

</Button>

</LinearLayout>

```

### **Upcoming\_list\_adapter.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical">

<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:cardElevation="12dp"
    app:cardCornerRadius="10dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    app:cardBackgroundColor="#FFFFE0">

<LinearLayout

```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Event Name:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>
<TextView
    android:id="@+id/nameE"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="120dp"
    android:layout_marginTop="-24dp"/>

<TextView
    android:id="@+id/dateE"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Event date"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"/>

<TextView
    android:id="@+id/mDetails"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Click here for more details"
    android:layout_marginTop="20dp"
    android:layout_marginBottom="10dp"
    android:layout_marginLeft="145dp"
    android:textSize="16sp"/>
```

```
</LinearLayout>
</androidx.cardview.widget.CardView>

</LinearLayout>
```

### Homepage\_list\_adapter.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical"
    >

    <androidx.cardview.widget.CardView
        android:id="@+id/card"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:cardElevation="12dp"
        app:cardCornerRadius="15dp"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        app:cardBackgroundColor="#FFFE0">

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginTop="10dp"
                android:text="Event Name :"
                android:textAlignment="center"
                android:textColor="#000"
                android:textSize="18sp"
                android:textStyle="bold"/>

            <TextView
                android:id="@+id/nameE"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
```

```
        android:layout_marginLeft="125dp"
        android:layout_marginTop="-24dp"
        android:gravity="center"
        android:textAlignment="center"
        android:textColor="#000"
        android:textSize="18sp"
        android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Event Date :"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/dateE"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="125dp"
    android:layout_marginTop="-24dp"/>

<TextView
    android:id="@+id/mDetails"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Click here for more details"
    android:textColor="#000000"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="145dp"
    android:textSize="16sp"
    android:layout_marginBottom="5dp"/>

</LinearLayout>
</androidx.cardview.widget.CardView>

</LinearLayout>
```

## Activity\_history\_adapter.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:cardElevation="12dp"
        app:cardCornerRadius="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        app:cardBackgroundColor="#abcabc">

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:gravity="center"
                android:text="Event Name:"
                android:textAlignment="center"
                android:textColor="#000"
                android:textSize="18sp"
                android:textStyle="bold"
                android:layout_marginLeft="10dp"
                android:layout_marginTop="10dp"/>
            <TextView
                android:id="@+id/historyName"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:gravity="center"
                android:textAlignment="center"
                android:textColor="#000"
                android:textSize="18sp"
                android:textStyle="bold"
                android:layout_marginLeft="120dp"
                android:layout_marginTop="-24dp"/>
            <TextView
```

```
        android:id="@+id/historyDate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:gravity="center"
        android:text="Event date"
        android:textAlignment="center"
        android:textColor="#000"
        android:textSize="18sp"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginBottom="10dp"/>

    </LinearLayout>
</androidx.cardview.widget.CardView>

</LinearLayout>
```

### **Activity\_view\_events.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    tools:context=".ViewEvents">

    <ListView
        android:id="@+id/events_list"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        />
</RelativeLayout>
```

### **Event\_more\_details.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".EventMoreDetails"
    android:orientation="vertical"
    android:background="@drawable/background">

    <androidx.cardview.widget.CardView
```

```
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:cardElevation="10dp"
        android:outlineSpotShadowColor="#000000"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginBottom="10dp"
        app:cardBackgroundColor="#FFFE00">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="5dp"
            android:layout_marginTop="10dp"
            android:text="Event Name: "
            android:textSize="20dp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/details_name"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="130dp"
            android:layout_marginTop="-23dp"
            android:text="TextView"
            android:textSize="18dp" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="5dp"
            android:layout_marginTop="10dp"
            android:text="Description:"
            android:textSize="20dp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/details_desc"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="118dp"
            android:layout_marginTop="-25dp"
            android:inputType="textMultiLine"
            android:text="TextView"
            android:textSize="18dp" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
```

```
        android:layout_marginLeft="5dp"
        android:layout_marginTop="10dp"
        android:text="POC Name:"
        android:textSize="20dp"
        android:textStyle="bold" />

<TextView
    android:id="@+id/details_poc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="110dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="10dp"
    android:text="POC Contact:"
    android:textSize="20dp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/details_poc_mob"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="126dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="10dp"
    android:text="Event Date:"
    android:textSize="20dp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/details_date"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="110dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />

<TextView
    android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_marginLeft="5dp"
        android:layout_marginTop="10dp"
        android:text="Event Location:"
        android:textSize="20dp"
        android:textStyle="bold" />

<TextView
    android:id="@+id/details_location"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="145dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="Timing:"
    android:textSize="20dp"
    android:layout_marginLeft="5dp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/details_time"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="75dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="Entry fee:"
    android:textSize="20dp"
    android:textStyle="bold"
    android:layout_marginLeft="5dp"/>

<TextView
    android:id="@+id/details_fee"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="95dp"
    android:layout_marginTop="-25dp"
    android:text="TextView"
    android:textSize="18dp" />
</LinearLayout>

</androidx.cardview.widget.CardView>
```

```
<Button  
    android:id="@+id/participate"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Participate"  
    android:textSize="20dp"  
    android:layout_marginTop="10dp"  
    android:layout_gravity="center_horizontal"  
    android:background="@drawable	btn"  
    android:padding="20dp"/>  
</LinearLayout>
```

### Activity\_admin\_home.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".AdminHome"  
    android:orientation="vertical"  
    android:weightSum="10"  
    android:background="@drawable/bg2">  
  
<RelativeLayout  
    android:layout_weight="2"  
    android:layout_width="match_parent"  
    android:layout_height="0dp">  
  
    <TextView  
        android:id="@+id/Admin"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:textSize="34sp"  
        android:textColor="#FFF"  
        android:layout_centerInParent="true"  
        android:text="Admin"  
    />  
  
</RelativeLayout>  
  
<GridLayout  
    android:layout_width="match_parent"  
    android:layout_height="0dp"  
    android:layout_weight="8"  
    android:columnCount="2"  
    android:rowCount="3"  
    android:alignmentMode="alignMargins"
```

```
        android:columnOrderPreserved="false"
        android:padding="1dp">

        <!--Row 1-->
        <!-- Column 1-->
        <androidx.cardview.widget.CardView
            android:layout_width="0dp"
            android:layout_height="0dp"
            android:layout_columnWeight="1"
            android:layout_marginBottom="16dp"
            android:layout_marginLeft="16dp"
            android:layout_marginRight="16dp"
            android:layout_rowWeight="1"
            app:cardElevation="8dp"
            app:cardCornerRadius="8dp">

            <LinearLayout
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_horizontal|center_vertical"
                android:layout_margin="16dp"
                android:orientation="vertical">

                <ImageView
                    android:id="@+id/ViewEvents"
                    android:layout_width="wrap_content"
                    android:layout_height="100dp"
                    android:layout_gravity="center_horizontal"
                    android:src="@drawable/viewevents6" />

                <TextView
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center_horizontal"
                    android:gravity="center"
                    android:text="View Events"
                    android:textAlignment="center"
                    android:textColor="#000"
                    android:textSize="18sp"
                    android:textStyle="bold" />

            </LinearLayout>

        </androidx.cardview.widget.CardView>

        <!--Row 1-->
        <!-- Column 2-->
        <androidx.cardview.widget.CardView
            android:layout_width="0dp"
            android:layout_height="0dp"
            android:layout_columnWeight="1"
            android:layout_marginBottom="16dp"
            android:layout_marginLeft="16dp"
            android:layout_marginRight="16dp"
```

```
        android:layout_rowWeight="1"
        app:cardElevation="8dp"
        app:cardCornerRadius="8dp">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal|center_vertical"
        android:layout_margin="16dp"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/addevents"
            android:src="@drawable/addevenstd"
            android:layout_gravity="center_horizontal"
            android:layout_width="wrap_content"
            android:layout_height="100dp" />

        <TextView
            android:layout_width="wrap_content"
            android:text="Add Events"
            android:textColor="#000"
            android:textSize="18sp"
            android:textStyle="bold"
            android:layout_height="wrap_content"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"/>

    </LinearLayout>

</androidx.cardview.widget.CardView>

<!--Row 2--&gt;
<!-- Column 1--&gt;
&lt;androidx.cardview.widget.CardView
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:layout_columnWeight="1"
    android:layout_marginBottom="16dp"
    android:layout_marginLeft="16dp"
    android:layout_marginRight="16dp"
    android:layout_rowWeight="1"
    app:cardElevation="8dp"
    app:cardCornerRadius="8dp"&gt;

    &lt;LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal|center_vertical"
        android:layout_margin="16dp"</pre>
```

```

        android:orientation="vertical">

        <ImageView
            android:id="@+id/viewPart"
            android:src="@drawable/viewparticpamts"
            android:layout_gravity="center_horizontal"
            android:layout_width="wrap_content"
            android:layout_height="100dp" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="53dp"
            android:gravity="center_horizontal"
            android:text="View Participants"
            android:textAlignment="center"
            android:textColor="#000"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

</androidx.cardview.widget.CardView>

</GridLayout>

</LinearLayout>

```

### **Activity\_add\_event.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".AddEvent"
    android:orientation="vertical"
    android:background="@drawable/e">

    <EditText
        android:id="@+id(eventName"
        android:layout_width="230dp"
        android:layout_height="40dp"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"

```

```
    android:layout_marginTop="31dp"
    android:layout_marginLeft="70dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Event Name"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/Desc"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginLeft="70dp"
    android:layout_marginTop="10dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Event Description"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/poc"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="10dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="POC name"
    android:layout_marginLeft="70dp"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/poc_mobile"
    android:layout_width="230dp"
    android:layout_height="40dp"
```

```
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="70dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:maxLength="10"
    android:gravity="center"
    android:hint="POC Mobile Number"
    android:inputType="number"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

#### <EditText

```
    android:id="@+id/poc_email"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="70dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="POC Email ID"
    android:inputType="textEmailAddress"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

#### <EditText

```
    android:id="@+id/event_date"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="70dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="*dd/mm/yyyy* format"
    android:inputType="date"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
```

```
app:fontFamily="@font/armata" />

<EditText
    android:id="@+id/event_timing"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginLeft="70dp"
    android:layout_marginTop="10dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Timing *21:00* format"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/event_location"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="70dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Location"
    android:inputType="textPersonName"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<EditText
    android:id="@+id/eventFee"
    android:layout_width="230dp"
    android:layout_height="40dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
```

```
    android:layout_alignParentBottom="true"
    android:layout_marginStart="70dp"
    android:layout_marginLeft="70dp"
    android:layout_marginTop="10dp"
    android:background="@drawable/et_style"
    android:ems="10"
    android:gravity="center"
    android:hint="Entry fees"
    android:inputType="number"
    android:textAlignment="center"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
<Button
    android:id="@+id	btn_addEvent"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="20dp"
    android:layout_marginStart="140dp"
    android:layout_marginLeft="150dp"
    android:background="@drawable	btn"
    android:text="\Add Event"
    android:textColor="#000080"
    android:textColorHint="#000080"
    app:fontFamily="@font/armata" />
```

```
</LinearLayout>
```

### Activity\_view\_participants.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ViewParticipants">

    <ListView
        android:id="@+id/viewParticipants"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>
```

### **View\_partcipants\_list\_adapter.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ViewPartcipants_list_adapter"
    android:orientation="vertical">

    <androidx.cardview.widget.CardView
        android:id="@+id/card"
        android:layout_width="match_parent"
        android:layout_marginRight="10dp"
        android:layout_height="wrap_content"
        app:cardElevation="12dp"
        app:cardCornerRadius="15dp"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        app:cardBackgroundColor="#FFFE00">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:gravity="center"
                android:layout_marginLeft="10dp"
                android:layout_marginTop="10dp"
                android:text="Participant ID: "
                android:textAlignment="center"
                android:textColor="#000"
                android:textSize="18sp"
                android:textStyle="bold"/>

            <TextView
                android:id="@+id/pID"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:layout_marginLeft="130dp"
                android:layout_marginTop="-24dp"
                android:gravity="center"
                android:textAlignment="center"
                android:textColor="#000"
                android:textSize="18sp"
```

```
        android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Partcipant's name:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/pName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:layout_marginLeft="165dp"
    android:layout_marginTop="-24dp"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Event name:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/pEventName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:layout_marginLeft="120dp"
    android:layout_marginTop="-24dp"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
```

```
        android:textSize="18sp"
        android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Participant's email:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/pemail"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:layout_marginLeft="165dp"
    android:layout_marginTop="-24dp"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Participant's College:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/pCollege"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:layout_marginLeft="182dp"
    android:layout_marginTop="-24dp"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold" />
```

```

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:gravity="center"
    android:text="Participant's Contact:"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"/>

<TextView
    android:id="@+id/pcontact"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:layout_marginLeft="185dp"
    android:layout_marginTop="-24dp"
    android:gravity="center"
    android:textAlignment="center"
    android:textColor="#000"
    android:textSize="18sp"
    android:textStyle="bold" />

</LinearLayout>
</androidx.cardview.widget.CardView>

</LinearLayout>

```

### **Viewevents\_list\_adapter.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical"
    android:background="#1d1135">

<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:elevation="12dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:layout_marginTop="10dp">

    <LinearLayout

```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="42dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Event Name:"
            android:layout_marginTop="20dp"
            android:layout_marginLeft="10dp"/>

        <TextView
            android:id="@+id/ename"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="TextView"
            android:layout_marginLeft="10dp"
            android:layout_marginRight="10dp"
            android:layout_marginTop="20dp"/>

    </LinearLayout>

    <TextView
        android:id="@+id/edesc"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TextView"
        android:layout_marginTop="10dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"/>

    <TextView
        android:id="@+id/pocname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TextView"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"/>

    <TextView
        android:id="@+id/pocmob"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="TextView"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"/>
```

```
<TextView
    android:id="@+id/pocemail"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:layout_marginRight="10dp"/>

<TextView
    android:id="@+id/date"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:layout_marginRight="10dp"/>

<TextView
    android:id="@+id/location"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:layout_marginRight="10dp"/>

<TextView
    android:id="@+id/time"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:layout_marginRight="10dp"/>

<TextView
    android:id="@+id/fee"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:layout_marginLeft="10dp"
    android:text="TextView"
    android:layout_marginRight="10dp"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Click to update or delete event"
    android:textStyle="bold"
    android:textSize="18dp"
    android:textAlignment="center"
    android:layout_gravity="center_horizontal"/>
```

```
</LinearLayout>
</androidx.cardview.widget.CardView>

</LinearLayout>
```

### Activity\_update.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/updatePanel"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/d"
    android:orientation="vertical"
    tools:context=".Update">

    <EditText
        android:id="@+id/eN"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Event Name"
        android:textSize="18dp"/>

    <EditText
        android:id="@+id/eDes"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

        android:textSize="18dp"
        android:hint="Event Description" />

    <EditText
        android:id="@+id/eP"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

        android:textSize="18dp"
        android:hint="POC Name" />

    <EditText
        android:id="@+id/ePMob"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:maxLength="10"
        android:textSize="18dp"
        android:hint="POC Mobile"
        android:inputType="number"/>

    <EditText
        android:id="@+id/ePEm"
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
        android:hint="POC Email"
        android:textSize="18dp"
        android:inputType="textEmailAddress"/>

<EditText
    android:id="@+id/eD"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:textSize="18dp"
    android:hint="Event Date *dd/mm/yyyy* format"
    android:inputType="date"/>

<EditText
    android:id="@+id/eLoc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:textSize="18dp"
    android:hint="Event Location" />

<EditText
    android:id="@+id/eTime"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:textSize="18dp"
    android:hint="Event Time *21:00* format" />

<EditText
    android:id="@+id/eFee"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:hint="Event Fee"
    android:textSize="18dp"
    android:inputType="number"/>

<Button
    android:id="@+id/eUpdate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="100dp"
    android:layout_marginTop="10dp"
    android:background="@drawable	btn"
    android:text="Edit" />

<Button
    android:id="@+id/eDelete"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="200dp"
    android:layout_marginTop="-50dp"
    android:background="@drawable	btn"
```

```
    android:text="Delete" />  
  
</LinearLayout>
```

### Activity\_final\_paticipation.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:orientation="vertical"  
    tools:context=".FinalParticipation">  
  
    <ListView  
        android:id="@+id/history"  
        android:layout_width="match_parent"  
        android:layout_height="match_parent" />  
</LinearLayout>
```

### MainActivity.java

```
package com.example.eventapp;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.graphics.drawable.AnimationDrawable;  
import android.os.Bundle;  
import android.os.Handler;  
import android.util.Log;  
import android.view.View;  
import android.view.WindowManager;  
import android.view.animation.Animation;  
import android.view.animation.AnimationUtils;  
import android.widget.ImageView;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
    TextView Splash,btnwelcome;  
    View bgpprogress,bgpprogresstop;;  
    Animation imgpage,ltr,btntwo,btnthree;  
    User user;  
    ImageView Applogo;  
  
    private static int SPLASH_SCREEN_TIME_OUT=2000;
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    Applogo=(ImageView)findViewById(R.id.AppLogo);
    Splash=(TextView)findViewById(R.id.splash);

    getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
        WindowManager.LayoutParams.FLAG_FULLSCREEN);
    //This method is used so that your splash activity
    //can cover the entire screen.

    setContentView(R.layout.activity_main);
    user= new User(MainActivity.this);
    new Handler().postDelayed(new Runnable() {
        @Override
        public void run()
        {
            if(user.getId()!=0 && user.getName()!="")
            {
                Intent i= new Intent(MainActivity.this, HomePage.class);
                i.putExtra("name",user.getName());
                i.putExtra("id",user.getId());
                startActivity(i);
                finish();
            }
            else
            {
                Intent i=new Intent(getApplicationContext(),Login.class);
                startActivity(i);
                finish();
            }
        }
    }, SPLASH_SCREEN_TIME_OUT);

    Splash =(TextView)findViewById(R.id.splash);
    imgpage= AnimationUtils.loadAnimation(this,R.anim.imgpage);
    Splash.startAnimation(imgpage);

}

}

```

## Login.java

```
package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class Login extends AppCompatActivity {

    EditText username,password;
    Button btnLogin;
    TextView signuptext;
    DatabaseHelper db;
    Cursor records;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        db=new DatabaseHelper(this);

        username=(EditText)findViewById(R.id.username);
        password=(EditText)findViewById(R.id.password);
        btnLogin=(Button)findViewById(R.id.btnLogin);
        signuptext=(TextView)findViewById(R.id.signuptext);

        signuptext.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v)
            {
                Intent intent= new Intent(Login.this,Registration.class);
                startActivity(intent);
            }
        });
        btnLogin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v)
            {
```

```

        if(username.getText().toString().equals("Admin") &&
password.getText().toString().equals("admin"))
    {
        Toast.makeText(getApplicationContext(),"Login
Successfully!",Toast.LENGTH_LONG).show();
        Intent intent= new Intent(Login.this,AdminHome.class);
        startActivity(intent);
    }
else
{
    records = db.getRecords();
    int flag=0;
    int id=0;

    while (records.moveToNext()) {
        id=Integer.parseInt(records.getString(0));
        String u = records.getString(1);
        String p = records.getString(2);
        if (username.getText().toString().equals(u) &&
password.getText().toString().equals(p)) {
            flag = 1;

            //session variables
            User user=new User(Login.this);
            user.setId(id);
            user.setName(u);
            Intent i = new Intent(getApplicationContext(), HomePage.class);
            i.putExtra("id",id);
            i.putExtra("name",u);
            startActivity(i);
        }
    }
    if (flag == 1) {

        Toast.makeText(getApplicationContext(), " LOGIN SUCCESSFUL",
Toast.LENGTH_SHORT).show();
    } else {
        Toast.makeText(getApplicationContext(), "Username or password is incorrect",
Toast.LENGTH_SHORT).show();
    }
}

/*String uname=username.getText().toString();
String pwd=password.getText().toString();
Boolean result= db.logincheck(uname,pwd);
if(result==true)
{
    Toast.makeText(getApplicationContext(),"Login
Successfully!",Toast.LENGTH_LONG).show();
    Intent intent= new Intent(Login.this,HomePage.class);
    startActivity(intent);
}
else
{
    Toast.makeText(getApplicationContext(),"Wrong Email or Password! Please Try
}

```

```
Again!",Toast.LENGTH_LONG).show();
        }*/
    }

}
});
```

### Homepage.java

```
package com.example.eventapp;

import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.util.Log;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Date;
import java.util.Locale;

public class HomePage extends AppCompatActivity {

    private static final String TAG = "HomePage";
    private User user;
    private int userid = 0;
    private String name;
    private Cursor data;
    private Button ongoing, upgoing;
    private DatabaseHelper db;
    private ArrayList<Ongoing> oEvents;
    private ArrayList<Upcoming> uEvents;
    private ListView listView1, listView2;
    private Ongoing o;
    private Upcoming u;
    private String name1;
    private int flag = 0;
    String date;
    private StringBuffer c1;
    private LinearLayout layout;
```

```

private homepage_listadapter adpt;
private upcoming_list_adapter adp;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_home_page);

    ongoing = findViewById(R.id.ongoing);
    upgoing = findViewById(R.id.upcoming);
    layout = (LinearLayout) findViewById(R.id.linear);
    listView1 = (ListView) findViewById(R.id.listview1);
    listView2 = (ListView) findViewById(R.id.listview2);

    db = new DatabaseHelper(this);

    oEvents = new ArrayList<>();
    uEvents = new ArrayList<>();

    //session
    user = new User(HomePage.this);
    userid = getIntent().getExtras().getInt("id");
    // name=getIntent().getExtras().getString("name");

    Toast.makeText(this, "id is" + userid, Toast.LENGTH_SHORT).show();

    //upcoming events
    upgoing.setOnClickListener(new View.OnClickListener() {

        @Override
        public void onClick(View v) {
            upgoing.setEnabled(false);
            ongoing.setEnabled(true);

            listView1.setVisibility(View.GONE);
            listView2.setVisibility(View.VISIBLE);

            if (listView2.getCount() == 0) {

                Calendar c = Calendar.getInstance();
                SimpleDateFormat sdf = new SimpleDateFormat("dd/MM/yyyy", Locale.getDefault());
                String getCurrentDateTime = sdf.format(c.getTime());
                String[] d1 = getCurrentDateTime.split("/");
                data = db.getEventRecords();
                c1 = new StringBuffer();
                while (data.moveToFirst()) {
                    name1 = data.getString(1);
                    date = data.getString(6);
                    String[] d2 = date.split("/");
                    u = new Upcoming(name1, date);
                    if (d1[2].compareTo(d2[2]) == 0 && d1[1].compareTo(d2[1]) < 0) {
                        uEvents.add(u);
                    }
                }
            }
        }
    });
}

```

```

        c1.append(date + " " + getCurrentDateTime.compareTo(date) + "\n");
        //Toast.makeText(HomePage.this, "value " + c1, Toast.LENGTH_LONG).show();
    }
    if (d1[1].compareTo(d2[1]) == 0) {
        if (d1[0].compareTo(d2[0]) < 0) {
            uEvents.add(u);
            c1.append(date + " " + getCurrentDateTime.compareTo(date) + "\n");
            //Toast.makeText(HomePage.this, "value " + c1,
            Toast.LENGTH_LONG).show();
        }
    }
    if (d1[2].compareTo(d2[2]) < 0) {
        uEvents.add(u);
        c1.append(date + " " + getCurrentDateTime.compareTo(date) + "\n");
        //Toast.makeText(HomePage.this, "value " + c1, Toast.LENGTH_LONG).show();
    }
}
adp = new upcoming_list_adapter(HomePage.this, R.layout.upcoming_list_adapter,
uEvents);
listView2.setAdapter(adp);
}
});
});

//ongoing events
ongoing.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        ongoing.setEnabled(false);
        upgoing.setEnabled(true);
        listView2.setVisibility(View.GONE);
        listView1.setVisibility(View.VISIBLE);

        if (listView1.getCount() == 0) {

            Date c = Calendar.getInstance().getTime();
            SimpleDateFormat sdf = new SimpleDateFormat("dd/MM/yyyy", Locale.getDefault());
            String getCurrentDateTime = sdf.format(c);
            String[] d1 = getCurrentDateTime.split("/");
            Toast.makeText(HomePage.this, "date is: " + getCurrentDateTime,
            Toast.LENGTH_LONG).show();
            data = db.getEventRecords();
            c1 = new StringBuffer();
            while (data.moveToFirst()) {
                name1 = data.getString(1);
                date = data.getString(6);
                String[] d2 = date.split("/");
                o = new Ongoing(name1, date);
                if (d1[2].compareTo(d2[2]) == 0 && d1[1].compareTo(d2[1]) == 0) {
                    if (d1[0].compareTo(d2[0]) >= 0) {
                        oEvents.add(o);
                        c1.append(date + " " + getCurrentDateTime.compareTo(date) + "\n");
                        //Toast.makeText(HomePage.this, "value " + c1,
                        Toast.LENGTH_LONG).show();
                    }
                }
            }
        }
    }
});

```

```

        Log.d(TAG, "onClick: " + c1);
    }

}

if (d1[2].compareTo(d2[2]) == 0 && d1[1].compareTo(d2[1]) > 0) {
    oEvents.add(o);
    c1.append(date + " " + getCurrentDateTime.compareTo(date) + "\n");
    // Toast.makeText(HomePage.this, "value " + c1, Toast.LENGTH_LONG).show();
}

adpt = new homepage_listadapter(HomePage.this, R.layout.homepage_list_adapter,
oEvents);
listView1.setAdapter(adpt);
}

}

});

listView1.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        final int p = position;
        TextView nm = (TextView) view.findViewById(R.id.nameE);
        TextView dt = (TextView) view.findViewById(R.id.dateE);
        String namee = nm.getText().toString();
        Date c = Calendar.getInstance().getTime();
        SimpleDateFormat sdf = new SimpleDateFormat("dd/MM/yyyy");
        String getCurrentDateTime = sdf.format(c);
        String[] d1 = getCurrentDateTime.split("/");
        String[] td2 = dt.getText().toString().split("/");

        if (d1[2].equals(td2[2]) && d1[1].equals(td2[1]) && d1[0].equals(td2[0])) {
            Intent i = new Intent(getApplicationContext(), EventMoreDetails.class);
            i.putExtra("id", userid);
            i.putExtra("eventname", namee);
            startActivity(i);
        }
        //        if (d1[2].compareTo(td2[2])>=0 && d1[1].compareTo(td2[1])>=0 &&
        d1[0].compareTo(td2[0])>0)
        else {
            StringBuffer sb = new StringBuffer();
            Cursor res = db.getEventRecords();
            while (res.moveToNext()) {
                String NameE = res.getString(1);
                if (namee.equals(NameE)) {
                    sb.append("\n Event Name:" + res.getString(1) + "\n\n");
                    sb.append("Event Description: " + res.getString(2) + "\n\n");
                    sb.append("POC Name: " + res.getString(3) + "\n\n");
                    sb.append("POC Mobile: " + res.getString(4) + "\n\n");
                    sb.append("POC Email: " + res.getString(5) + "\n\n");
                    sb.append("Event Date: " + res.getString(6) + "\n\n");
                }
            }
        }
    }
});

```

```

        sb.append("Event Time: " + res.getString(7) + "\n\n");
        sb.append("Event Location: " + res.getString(8) + "\n\n");
        sb.append("Entry Fee: " + res.getString(9) + "\n\n");
    }
}

AlertDialog.Builder builder = new AlertDialog.Builder(HomePage.this);
builder.setTitle("This Event has already been held .\n You cannot participate in this event!");
builder.setMessage(sb.toString()).setCancelable(false).setPositiveButton("OK", new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog, int id) {
        //do things
    }
});
AlertDialog alert = builder.create();
alert.show();

// Toast.makeText(getApplicationContext(),"This Event has already been held . You cannot participate in this event!",Toast.LENGTH_LONG).show();

    }
});

listView2.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        TextView nm = (TextView) view.findViewById(R.id.nameE);
        String namee = nm.getText().toString();
        Toast.makeText(HomePage.this, "listview2 id is" + userid,
        Toast.LENGTH_SHORT).show();
        Intent i = new Intent(getApplicationContext(), EventMoreDetails.class);
        i.putExtra("id", userid);
        i.putExtra("eventname", namee);
        startActivity(i);
    }
});

//title bar
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    MenuInflater menuInflater = getMenuInflater();
    menuInflater.inflate(R.menu.options_menu, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {

    if (item.getItemId() == R.id.myProfile) {
        Intent i = new Intent(this, myProfile.class);
        i.putExtra("id", userid);
}

```

```

        i.putExtra("name", name);
        startActivity(i);
    }

    if (item.getItemId() == R.id.logout) {
        showRegistersDialog1();
    }

    if (item.getItemId() == R.id.historyI) {
        Intent i = new Intent(this, FinalParticipation.class);
        i.putExtra("id", userid);
        i.putExtra("name", name);
        startActivity(i);
    }
    return super.onOptionsItemSelected(item);
}

//logout
private void showRegistersDialog1() {
    DialogInterface.OnClickListener dialogClickListener = new DialogInterface.OnClickListener() {

        @Override
        public void onClick(DialogInterface dialog, int which) {
            switch (which) {
                case DialogInterface.BUTTON_POSITIVE:
                    //Yes button clicked
                    new User(HomePage.this).removeUser();
                    Intent i = new Intent(getApplicationContext(), Login.class);
                    startActivity(i);
                    finish();
                    break;

                case DialogInterface.BUTTON_NEGATIVE:
                    //No button clicked
                    break;
            }
        }
    };
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setMessage("Do You Want To Logout?").setPositiveButton("Yes",
    dialogClickListener).setNegativeButton("No", dialogClickListener).show();
}
}

```

## Ongoing.java

```

package com.example.eventapp;

public class Ongoing {

    private String ename;
    private String edate;
}

```

```
public Ongoing(String name, String date) {
    ename=name;
    edate=date;

}

public String getEname() {
    return ename;
}

public String getEdate() {
    return edate;
}

public void setEname(String ename) {
    this.ename = ename;
}

public void setEdate(String edate) {
    this.edate = edate;
}
```

### Upcoming.java

```
package com.example.eventapp;

public class Upcoming {

    private String ename;
    private String edate;

    public Upcoming(String name, String date) {
        ename=name;
        edate=date;

    }

    public String getEname() {
        return ename;
    }

    public String getEdate() {
        return edate;
    }

    public void setEname(String ename) {
        this.ename = ename;
    }

}
```

```
public void setEdate(String edate) {  
    this.edate = edate;  
}  
}
```

### homepage\_listadapter.java

```
package com.example.eventapp;  
  
import android.content.Context;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.ArrayAdapter;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.cardview.widget.CardView;  
  
import java.util.ArrayList;  
  
public class homepage_listadapter extends ArrayAdapter<Ongoing> {  
  
    private LayoutInflater layoutInflater;  
    private ArrayList<Ongoing> oEvents;  
    private int mViewResourceid;  
  
  
    public homepage_listadapter(Context context,int texViewResourceID,ArrayList<Ongoing> oEvents)  
    {  
        super(context,texViewResourceID,oEvents);  
        this.oEvents=oEvents;  
  
        layoutInflater=(LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);  
        mViewResourceid=texViewResourceID;  
    }  
  
  
    public View getView(int position , View convertView, ViewGroup parents) {  
        convertView = layoutInflater.inflate(mViewResourceid, null);  
        Ongoing og=oEvents.get(position);  
  
        if(og !=null)  
        {  
            TextView eventname= (TextView) convertView.findViewById(R.id.nameE);  
            TextView date= (TextView) convertView.findViewById(R.id.dateE);  
  
            if(eventname != null)
```

```

        {
            eventname.setText(og.getEname());
        }

        if(date != null)
        {
            date.setText(og.getEdate());
        }
    }
    return ConvertView;
}

}

```

### **myProfile.java**

```

package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

public class myProfile extends AppCompatActivity {

    EditText uName,uEmail,uCollege,uMobile,uPass;
    Button updateBtn;
    LinearLayout linearLayout;
    Cursor rec;
    DatabaseHelper db;
    Integer userid;
    String name;

    //Integer id;
    //public static int id=0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_my_profile);
    }
}

```

```

//bindings
uName=(EditText)findViewById(R.id.uName);
uEmail=(EditText)findViewById(R.id.uEmail);
uCollege=(EditText)findViewById(R.id.uCollege);
uMobile=(EditText)findViewById(R.id.uMobile);
uPass=(EditText)findViewById(R.id.uPass);
updateBtn=(Button)findViewById(R.id.updateBtn);
linearLayout=(LinearLayout)findViewById(R.id.contentPanel);

//session

final User user=new User(myProfile.this);
final int id=getIntent().getExtras().getInt("id");
name=getIntent().getExtras().getString("name");

//databasehelper
db = new DatabaseHelper(this);

rec=db.getUserRecords();
while(rec.moveToNext())
{
    userid= Integer.parseInt(rec.getString(0));
    if(id == userid)
    {
        uName.setText(rec.getString(1));
        uEmail.setText(rec.getString(2));
        uCollege.setText(rec.getString(3));
        uMobile.setText(rec.getString(4));
        uPass.setText(rec.getString(5));
    }
}

//Disabled Edit Text before updating
for (int i = 0; i < linearLayout.getChildCount(); i++) {
    View view = linearLayout.getChildAt(i);
    if (view instanceof EditText)
    {
        EditText editText = (EditText) view;
        editText.setEnabled(false);
    }
}

//Update Details on Button Click
updateBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v)
    {

        //Enabling Edit texts to write
        for (int i = 0; i < linearLayout.getChildCount(); i++)
        {
            View view = linearLayout.getChildAt(i);
        }
    }
});

```

```

        if (view instanceof EditText) {
            EditText editText = (EditText) view;
            editText.setEnabled(true);
        }
    }

    if(updateBtn.getText().equals("Edit"))
    {
        updateBtn.setText("Update");
    }

else if(updateBtn.getText().equals("Update"))

{
    //validating if user keeps the text field empty
    boolean checkFields = validate(new EditText[]
    {
        uName,uEmail,uCollege,uMobile,uPass
    });
    if (checkFields == true)
    {
        boolean res = db.updateUser(id, uName.getText().toString(),
uEmail.getText().toString(), uCollege.getText().toString(), uMobile.getText().toString(),
uPass.getText().toString());
        if (res == true)
        {
            Toast.makeText(getApplicationContext(), "Updated Successfully",
Toast.LENGTH_SHORT).show();
        }
        else
        {
            Toast.makeText(getApplicationContext(), "Update Unsuccessful",
Toast.LENGTH_SHORT).show();
        }
        updateBtn.setText("Edit");
        for (int i = 0; i < linearLayout.getChildCount(); i++) {
            View view = linearLayout.getChildAt(i);
            if (view instanceof EditText)
            {
                EditText editText = (EditText) view;
                editText.setEnabled(false);
            }
        }
    }

else
{
    Toast.makeText(getApplicationContext(), "Please fill all the details.",
Toast.LENGTH_SHORT).show();
}
}

```

```

        }
        private boolean validate(EditText[] editTexts)
        {
            for (int i = 0; i < editTexts.length; i++)
            {
                EditText currentField = editTexts[i];
                if (currentField.getText().toString().length() <= 0)
                {
                    return false;
                }
            }
            return true;
        }
    });

}

}

```

## Registration.java

```

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_registration);

db=new DatabaseHelper(this);

name=(EditText)findViewById(R.id.name);
mobile=(EditText)findViewById(R.id.Mobile);
email=(EditText)findViewById(R.id.email);
collegeName=(EditText)findViewById(R.id.collegeName);
pwd=(EditText)findViewById(R.id.pwd);
signup=(Button)findViewById(R.id.signup);
signinText=(TextView)findViewById(R.id.signinText);

signinText.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent intent= new Intent(Registration.this,Login.class);
        startActivity(intent);
    }
});

signup.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        boolean checkFields = validate(new EditText[]{


```

```

name,email,collegeName,mobile,pwd
});

if(checkFields==true){
    boolean
res=db.insertData(name.getText().toString(),email.getText().toString(),collegeName.getText().toString(),
mobile.getText().toString(),pwd.getText().toString());
    if(res== true)
    {
        Toast.makeText(Registration.this, "Registration done successfully!!",
Toast.LENGTH_LONG).show();
        Intent intent= new Intent(Registration.this,Login.class);
        startActivity(intent);

    }
    else
    {
        Toast.makeText(Registration.this, "Registration not done!!",
Toast.LENGTH_LONG).show();
    }

}
else
{
    Toast.makeText(getApplicationContext(), "Please fill all the details",
Toast.LENGTH_LONG).show();
}

}

private boolean validate(EditText[] fields ) {
    for(int i=0; i<fields.length;i++){
        EditText currentField=fields[i];
        if(currentField.getText().toString().length()<=0){
            return false;
        }
    }
    return true;
}

});

```

### **EventMoreDetails.java**

```

package com.example.eventapp;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.app.AlertDialog;
import android.content.DialogInterface;
```

```

import android.content.Intent;
import android.database.Cursor;
import android.os.AsyncTask;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Properties;
import java.util.Timer;
import java.util.TimerTask;

import javax.mail.Authenticator;
import javax.mail.Message;
import javax.mail.MessagingException;
import javax.mail.PasswordAuthentication;
import javax.mail.Session;
import javax.mail.Transport;
import javax.mail.internet.InternetAddress;
import javax.mail.internet.MimeMessage;

public class EventMoreDetails extends AppCompatActivity {

    DatabaseHelper db;
    User user;
    int id=0;
    int eid;
    Integer eventid;
    String ename,evname;
    TextView
details_name,details_desc,details_poc,details_poc_mob,details_date,details_location,details_time,data
ils_fee;
    Button participate;
    Cursor record;
    StringBuffer sb;
    String semail,spassword;
    String partEmailID,partDate;
    Integer userid;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.event_more_details);

        db=new DatabaseHelper(this);

        //session
        user=new User(EventMoreDetails.this);
        id=getIntent().getExtras().getInt("id");
        ename=getIntent().getExtras().getString("eventname");
        //edited
        //Intent i = getIntent();
    }
}

```

```

//      String abc=getIntent().getExtras().getString("OVER");
//      String xyz="over";

details_name=(TextView)findViewById(R.id.details_name);
details_desc=(TextView)findViewById(R.id.details_desc);
details_poc=(TextView)findViewById(R.id.details_poc);
details_poc_mob=(TextView)findViewById(R.id.details_poc_mob);
details_date=(TextView)findViewById(R.id.details_date);
details_location=(TextView)findViewById(R.id.details_location);
details_time=(TextView)findViewById(R.id.details_time);
details_fee=(TextView)findViewById(R.id.details_fee);
participate=(Button)findViewById(R.id.participate);

//sender email credentials
semail="vaidehi4kulkarni@gmail.com";
spassword="vaidehi4kulkarni@1991";

record=db.getEventRecords();
while(record.moveToNext())
{
    evname=record.getString(1);
    if(ename.equals(evname))
    {
        eventid=record.getInt(0);
        details_name.setText(evname);
        details_desc.setText(record.getString(2));
        details_poc.setText(record.getString(3));
        details_poc_mob.setText(record.getString(4));
        details_date.setText(record.getString(6));
        details_time.setText(record.getString(7));
        details_location.setText(record.getString(8));
        details_fee.setText(record.getString(9));
    }
}

Toast.makeText(getApplicationContext(),"value "+ename+
"+ename,Toast.LENGTH_LONG).show();
participate.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        int flag=0;
        Cursor rec1=db.showParticipants();
        // Cursor records=db.showHistory(id);
        //partEmailID=records.getString(3);
        // partDate=records.getString(2);
        while(rec1.moveToNext())
        {
            int studid= rec1.getInt(1);
            int eveid= rec1.getInt(2);
            if(studid==id && eveid==eventid)

```

```

        {
            flag=1;
        }
    }
    if(flag==0) {
        boolean res = db.insertParticipate(id, eventid);
        if (res == true) {

            Toast.makeText(getApplicationContext(), "Participated",
Toast.LENGTH_SHORT).show();
            //mail coding
            Properties properties=new Properties();
            properties.put("mail.smtp.auth","true");
            properties.put("mail.smtp.starttls.enable","true");
            properties.put("mail.smtp.host","smtp.gmail.com");
            properties.put("mail.smtp.port","587");

            //Initialize session
            Session session=Session.getInstance(properties, new Authenticator() {
                @Override
                protected PasswordAuthentication getPasswordAuthentication() {
                    return new PasswordAuthentication(semail,spassword);
                }
            });
            record=db.getEventRecords();
            while(record.moveToNext()) {
                evname = record.getString(1);
                if (ename.equals(evname)) {

                    partDate=record.getString(6);
                }
            }
            Cursor myrecords;
            myrecords=db.getUserRecords();
            while(myrecords.moveToNext())
            {
                userid= Integer.parseInt(myrecords.getString(0));
                if(id == userid)
                {

                    partEmailID= myrecords.getString(2);
                }
            }
        }
        try {

            //Initialize email content
            Message message= new MimeMessage(session);
            //Sender Email
            message.setFrom(new InternetAddress(semail));
            //Recipient email

            message.setRecipients(Message.RecipientType.TO,InternetAddress.parse(partEmailID.trim()));
        }
    }
}

```

```

//Email Subject
message.setSubject("SIMSR Event Participation Details");
//Email Message

    message.setText("You have participated in "+evname+" Event dated on "+partDate+
In KJSIMSR \n Kindly be present at the location 15 minutes before .\n You will " +
    " have to pay the entry fee at the college location itself. \n Please carry your
respective College ID cards with you.\n Thanks! \n Regards, KJSIMSR ");
    //send email
    new SendEmail().execute(message);

} catch (MessagingException e) {
    e.printStackTrace();
}

} else {
    Toast.makeText(getApplicationContext(), "Not Participated",
Toast.LENGTH_SHORT).show();
}
}
else
{
    //Toast.makeText(getApplicationContext(), "Already Participated",
Toast.LENGTH_SHORT).show();
    AlertDialog.Builder builder = new AlertDialog.Builder(v.getContext());
    builder.setTitle("Already Participated");
    builder.setMessage("You have already participated in this event!");
    builder.setCancelable(true);

    final AlertDialog dlg = builder.create();

    dlg.show();

    final Timer t = new Timer();
    t.schedule(new TimerTask() {
        public void run() {
            dlg.dismiss(); // when the task active then close the dialog
            t.cancel(); // also just stop the timer thread, otherwise, you may receive a crash report
        }
    }, 2000);
}

}

}

private class SendEmail extends AsyncTask<Message, String, String> {
    //Initialize Progress bar
    private ProgressDialog progressDialog;

    @Override
    protected void onPreExecute() {

```

```

super.onPreExecute();
//Create and show dialog
progressDialog=ProgressDialog.show(EventMoreDetails.this,"Please Wait","Confirming
Participation",true,false);

}

@Override
protected String doInBackground(Message... messages) {
    try {
        //Wehn Success
        Transport.send(messages[0]);
        return "Success";
    } catch (MessagingException e) {
        //When Error
        e.printStackTrace();
        return "Error";
    }
}

@Override
protected void onPostExecute(String s) {
    super.onPostExecute(s);
    //Dismiss Progress Dialog Box
    progressDialog.dismiss();
    if(s.equals("Success")){
    AlertDialog.Builder builder=new AlertDialog.Builder(EventMoreDetails.this);
    builder.setCancelable(false);
    builder.setMessage(Html.fromHtml("<font color='#509324'>Participation
Confirmed</font>"));
    builder.setPositiveButton("OK", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            dialog.dismiss();
        }
    });
    builder.show();

}else {
    Toast.makeText(EventMoreDetails.this, "Participated but email not sent.",Toast.LENGTH_SHORT).show();
}
}
}

```

### **eventList\_Adapter.java**

```

package com.example.eventapp;

import android.content.Context;
import android.content.Intent;

```

```

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.TextView;

import java.util.ArrayList;

public class eventList_Adapter extends ArrayAdapter<eventlist> {

    private LayoutInflater layoutInflater;
    private ArrayList<eventlist> events;
    private int mViewResourceid;

    public eventList_Adapter(Context context, int textViewResourceId, ArrayList<eventlist> events) {
        super(context, textViewResourceId, events);
        this.events = events;
        layoutInflater = (LayoutInflater)
        context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
        mViewResourceid = textViewResourceId;
    }

    public View getView(int position, View ConverView, ViewGroup parents){
        ConverView = layoutInflater.inflate(mViewResourceid, null);
        eventlist e = events.get(position);

        if(e != null)
        {
            TextView eventname = (TextView) ConverView.findViewById(R.id.ename);
            TextView edesc = (TextView) ConverView.findViewById(R.id.edesc);
            TextView epoc = (TextView) ConverView.findViewById(R.id.pocname);
            TextView pocmob = (TextView) ConverView.findViewById(R.id.pocmob);
            TextView pocemail = (TextView) ConverView.findViewById(R.id.pocemail);
            TextView date = (TextView) ConverView.findViewById(R.id.date);
            TextView location = (TextView) ConverView.findViewById(R.id.location);
            TextView time = (TextView) ConverView.findViewById(R.id.time);
            TextView fee = (TextView) ConverView.findViewById(R.id.fee);

            if(eventname != null)
            {
                eventname.setText(e.getEventName());
            }
            if(edesc != null)
            {
                edesc.setText("Event Description: " + (e.getEventDesc()));
            }
            if(epoc != null)
            {
                epoc.setText("Event Date: " + (e.getEventDate()));
            }
        }
    }
}

```

```

    {
        epoc.setText("POC name: "+e.getEname());
    }
    if(pocmob!=null)
    {
        pocmob.setText("POC Mobile No: "+e.getEpocmob());
    }
    if(pocemail!=null)
    {
        pocemail.setText("POC Email: "+e.getEpocemail());
    }
    if(date!=null)
    {
        date.setText("Event Date: "+e.getEdate());
    }
    if(location!=null)
    {
        location.setText("Event Location: "+e.getElocation());
    }
    if(time!=null)
    {
        time.setText("Event Time: "+e.getEtime());
    }
    if(fee!=null)
    {
        fee.setText("Event Fee: "+e.getEfee());
    }
}

}
return ConverView;
}

}

```

### **upcoming\_list\_adpter.java**

```

package com.example.eventapp;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;

import java.util.ArrayList;

public class upcoming_list_adapter extends ArrayAdapter<Upcoming> {

    private LayoutInflater layoutInflater;

```

```

private ArrayList<Upcoming> uEvents;
private int mViewResourceid;

public upcoming_list_adapter(Context context,int texViewResourceID,ArrayList<Upcoming> uEvents)
{
    super(context,texViewResourceID,uEvents);
    this.uEvents=uEvents;

layoutInflater=(LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    mViewResourceid=texViewResourceID;
}

public View getView(int position , View ConverView, ViewGroup parents) {
    ConverView = layoutInflater.inflate(mViewResourceid, null);
    Upcoming og=uEvents.get(position);

    if(og !=null)
    {
        TextView eventname= (TextView) ConverView.findViewById(R.id.nameE);
        TextView date= (TextView) ConverView.findViewById(R.id.dateE);

        if(eventname != null)
        {
            eventname.setText(og.getEname());
        }

        if(date != null)
        {
            date.setText("Event Date: "+ (og.getEdate()));
        }
    }
    return ConverView;
}

}

```

## User.java

```

package com.example.eventapp;

import android.content.Context;
import android.content.SharedPreferences;

public class User {

    Context context;
    private int id;
    private String name;
    SharedPreferences sharedpreferences;

```

```

public int getId() {
    id=sharedPreferences.getInt("userdata",0);
    return id;
}

public void setId(int id) {
    this.id = id;
    sharedPreferences.edit().putInt("userdata",id).commit();
}

public User(Context context) {
    this.context = context;
    sharedPreferences= context.getSharedPreferences("userinfo",Context.MODE_PRIVATE);
}

public String getName() {
    name=sharedPreferences.getString("username","");
    return name;
}

public void setName(String name) {
    this.name = name;
    sharedPreferences.edit().putString("username",name).commit();
}

public void removeUser()
{
    sharedPreferences.edit().clear().commit();
}

```

### AddEvent.java

```

package com.example.eventapp;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.solver.widgets.Snapshot;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.DatabaseReference;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;

public class AddEvent extends AppCompatActivity

```

```

{

    EditText
eventName,Desc,poc,poc_mobile,poc_email,event_date,event_location,event_timing,eventFee;
    Button btn_addEvent;
    DatabaseHelper db;
    // long id=0;

    @Override
protected void onCreate(Bundle savedInstanceState)
{
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_add_event);

    db=new DatabaseHelper(this);

    eventName=(EditText)findViewById(R.id.eventName);
    Desc=(EditText)findViewById(R.id.Desc);
    poc=(EditText)findViewById(R.id.poc);
    poc_mobile=(EditText)findViewById(R.id.poc_mobile);
    poc_email=(EditText)findViewById(R.id.poc_email);
    event_date=(EditText)findViewById(R.id.event_date);
    event_location=(EditText)findViewById(R.id.event_location);
    event_timing=(EditText)findViewById(R.id.event_timing);
    eventFee=(EditText)findViewById(R.id.eventFee);
    btn_addEvent=(Button)findViewById(R.id.btn_addEvent);

    btn_addEvent.setOnClickListener(new View.OnClickListener()
{
    @Override
    public void onClick(View v)
    {
        boolean res=db.insertEvent(eventName.getText().toString(),Desc.getText().toString(),
            poc.getText().toString(), poc_mobile.getText().toString(),
            poc_email.getText().toString(),event_date.getText().toString(),
            event_timing.getText().toString(),event_location.getText().toString(),
            eventFee.getText().toString());
        if(res== true)
        {
            Toast.makeText(AddEvent.this, "Event details added successfully!",
Toast.LENGTH_LONG).show();
            Intent intent= new Intent(AddEvent.this,AdminHome.class);
            startActivity(intent);
        }
        else
            Toast.makeText(AddEvent.this, "Something's wrong! Please try again",
Toast.LENGTH_LONG).show();
    }
});
}
}

```

### **AdminHome.java**

```
package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;

public class AdminHome extends AppCompatActivity {

    ImageView event,ViewEvents,viewPart;

    @Override
    public void onBackPressed() {
        super.onBackPressed();
        startActivity(new Intent(getApplicationContext(),Login.class));
        finish();
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_admin_home);

        event=(ImageView)findViewById(R.id.addevents);
        ViewEvents=(ImageView)findViewById(R.id.ViewEvents);
        viewPart=(ImageView)findViewById(R.id.viewPart);

        //add events
        event.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(AdminHome.this,AddEvent.class);
                startActivity(intent);
            }
        });

        //viewevents
        ViewEvents.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```

        Intent intent = new Intent(AdminHome.this,ViewEvents.class);
        startActivity(intent);
    }

    //viewParticipants
    viewPart.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new Intent(AdminHome.this,ViewParticipants.class);
            startActivity(intent);
        }
    });
}

```

### **eventlist.java**

```

package com.example.eventapp;

public class eventlist {

    private String eName;
    private String eDesc;
    private String ePoc;
    private String epocmob;
    private String pocemail;
    private String edate;
    private String etime;
    private String elocation;
    private String efee;

    public eventlist(String eventName, String desc, String poc, String pocmob, String pocemail, String date, String time, String location, String fee)
    {
        eName=eventName;
        eDesc=desc;
        ePoc=poc;
        epocmob=pocmob;
        pocemail=pocemail;
        edate=date;
        etime=time;
        elocation=location;
        efee=fee;
    }

    public String getName() {
        return eName;
    }

    public String getDesc() {
        return eDesc;
    }
}

```

```

    }

    public String getePoc() {
        return ePoc;
    }

    public String getEpocmob() {
        return epocmob;
    }

    public String getEpocemail() {
        return epocemail;
    }

    public String getEdate() {
        return edate;
    }

    public String getEtime() {
        return etime;
    }

    public String getElocation() {
        return elocation;
    }

    public String getEfee() {
        return efee;
    }
}

```

### **history\_adapter.java**

```

package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;

import java.util.ArrayList;

public class history_adpater extends ArrayAdapter<Upcoming> {

    private LayoutInflater layoutInflater;
    private ArrayList<Upcoming> uEvents;
    private int mViewResourceid;

```

```

public history_adpater(Context context,int texViewResourceID,ArrayList<Upcoming> uEvents)
{
    super(context,texViewResourceID,uEvents);
    this.uEvents=uEvents;

layoutInflater=(LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    mViewResourceid=texViewResourceID;
}

public View getView(int position , View ConverView, ViewGroup parents) {
    ConverView = layoutInflater.inflate(mViewResourceid, null);
    Upcoming og=uEvents.get(position);

    if(og !=null)
    {
        TextView eventname= (TextView) ConverView.findViewById(R.id.historyName);
        TextView date= (TextView) ConverView.findViewById(R.id.historyDate);

        if(eventname != null)
        {
            eventname.setText(og.getEname());
        }

        if(date != null)
        {
            date.setText("Event Date: "+og.getEdate());
        }
    }
    return ConverView;
}
}

```

### **ViewEvents.java**

```

package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.provider.CalendarContract;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;
import java.util.ListIterator;

public class ViewEvents extends AppCompatActivity {

```

```

DatabaseHelper db;
ArrayList<eventlist> eventlists;
ListView listView;
eventlist event;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_view_events);

    db = new DatabaseHelper(this);

    eventlists= new ArrayList<>();
    Cursor data = db.getEventRecords();
    int numRows= data.getCount();
    if(numRows==0)
    {
        Toast.makeText(ViewEvents.this, "No data in database :(", Toast.LENGTH_SHORT).show();
    }
    else
    {
        while(data.moveToNext())
        {
            event = new
eventlist(data.getString(1),data.getString(2),data.getString(3),data.getString(4),data.getString(5),data.
getString(6),data.getString(7),data.getString(8),data.getString(9));
            eventlists.add(event);
        }
    }

    eventList_Adapter adapter = new
eventList_Adapter(this,R.layout.viewevents_list_adapter,eventlists);
    listView = (ListView)findViewById(R.id.events_list);
    listView.setAdapter(adapter);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        final int pos=position;
        TextView name=(TextView) view.findViewById(R.id.ename);
        String n=name.getText().toString();
        // Toast.makeText(getApplicationContext(), "position is: "+position+"eventname: "+n,
        Toast.LENGTH_SHORT).show();
        Intent i= new Intent(getApplicationContext(),Update.class);
        i.putExtra("Ename",n);
        startActivity(i);
    }
});
```

```
}

@Override
public void onBackPressed() {
    super.onBackPressed();
    startActivity(new Intent(getApplicationContext(), AdminHome.class));
    finish();
}
```

### Participants.java

```
package com.example.eventapp;

public class Participants {

    private Integer pid;
    private String pname;
    private String ename;
    private String email;
    private String college;
    private String contact;

    public Participants(Integer pid, String pname, String ename, String email, String college, String contact) {
        this.pid = pid;
        this.pname = pname;
        this.ename = ename;
        this.email = email;
        this.college = college;
        this.contact = contact;
    }

    public Integer getPid() {
        return pid;
    }

    public String getPname() {
        return pname;
    }

    public String getEname() {
        return ename;
    }

    public String getEmail() {
        return email;
    }

    public String getCollege() {
        return college;
    }
}
```

```

public String getContact() {
    return contact;
}

public void setPid(Integer pid) {
    this.pid = pid;
}

public void setPname(String pname) {
    this.pname = pname;
}

public void setEname(String ename) {
    this.ename = ename;
}

public void setEmail(String email) {
    this.email = email;
}

public void setCollege(String college) {
    this.college = college;
}

public void setContact(String contact) {
    this.contact = contact;
}
}

```

### **ViewParticipants\_list\_adapter.java**

```

package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;

import java.util.ArrayList;

public class ViewParticipants_list_adapter extends ArrayAdapter<Participants> {

```

```

private LayoutInflater layoutInflater;
private ArrayList<Participants> part;
private int mViewResourceid;

public ViewParticipants_list_adapter(Context context, int textViewResourceID,
ArrayList<Participants> part)
{
    super(context, textViewResourceID, part);
    this.part=part;

layoutInflater=(LayoutInflater)context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
    mViewResourceid=textViewResourceID;
}

public View getView(int position , View convertView, ViewGroup parents) {
    convertView = layoutInflater.inflate(mViewResourceid, null);
    Participants pp=part.get(position);

    if(pp !=null)
    {
        TextView pid= (TextView) convertView.findViewById(R.id.pID);
        TextView pname= (TextView) convertView.findViewById(R.id.pName);
        TextView pEventName = (TextView) convertView.findViewById(R.id.pEventName);
        TextView pemail= (TextView) convertView.findViewById(R.id.pemail);
        TextView pCollege= (TextView) convertView.findViewById(R.id.pCollege);
        TextView pcontact= (TextView) convertView.findViewById(R.id.pcontact);

        if(pid != null)
        {
            pid.setText(pp.getPid().toString());
        }

        if(pname != null)
        {
            pname.setText(pp.getPname());
        }
        if(pEventName != null)
        {
            pEventName.setText(pp.getEname());
        }
        if(pemail != null)
        {
            pemail.setText(pp.getEmail());
        }
        if(pCollege != null)
        {
            pCollege.setText(pp.getCollege());
        }
        if(pcontact != null)
        {
            pcontact.setText(pp.getContact());
        }
    }
    return convertView;
}

```

```
}
```

### ViewParticipants.java

```
package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.os.Bundle;
import android.widget.LinearLayout;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

public class ViewParticipants extends AppCompatActivity {

    DatabaseHelper db;
    LinearLayout layout;
    ListView viewParticipants;
    ArrayList<Partcipants> part;
    Partcipants partcipants;
    ViewPartcipants_list_adapter adapter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_view_participants);

        db = new DatabaseHelper(this);
        layout=(LinearLayout)findViewById(R.id.linear);
        viewParticipants = (ListView)findViewById(R.id.viewParticipants);

        part=new ArrayList<>();

        //join tables;
        Cursor data=db.getParticipants();
        int numRows=data.getCount();
        if(numRows==0)
        {
            Toast.makeText(getApplicationContext(), "There is no users",
            Toast.LENGTH_LONG).show();
        }
        else {
            while(data.moveToNext())
            {
                partcipants=new
                Partcipants(data.getInt(0),data.getString(1),data.getString(2),data.getString(3),data.getString(4),data.g
                etString(5));
                part.add(partcipants);
            }
        }
    }
}
```

```
        }  
        adapter = new ViewParticipants_list_adapter(ViewParticipants.this,  
R.layout.view_participants_list_adapter, part);  
        viewParticipants.setAdapter(adapter);  
    }  
}
```

## Update.java

```
package com.example.eventapp;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.LinearLayout;
import android.widget.Toast;

public class Update extends AppCompatActivity {

    DatabaseHelper db;
    LinearLayout linearLayout;
    String name, evname;
    EditText eN, eDes, eP, ePMob, ePEm, eD, eLoc, eTime, eFee;
    Button eUpdate, eDelete;
    Cursor record;
    Integer eventid;

    @Override
    public void onBackPressed() {
        super.onBackPressed();
        startActivity(new Intent(getApplicationContext(), ViewEvents.class));
        finish();
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_update);

        name = getIntent().getExtras().getString("Ename");

        eN = (EditText) findViewById(R.id.eN);
        eDes = (EditText) findViewById(R.id.eDes);
        ePMob = (EditText) findViewById(R.id.ePMob);
        ePEm = (EditText) findViewById(R.id.ePEm);
        eD = (EditText) findViewById(R.id.eD);
        eLoc = (EditText) findViewById(R.id.eLoc);
        eTime = (EditText) findViewById(R.id.eTime);
        eFee = (EditText) findViewById(R.id.eFee);
    }
}
```

```

ePEm=(EditText)findViewById(R.id.ePEm);
eD=(EditText)findViewById(R.id.eD);
eLoc=(EditText)findViewById(R.id.eLoc);
eTime=(EditText)findViewById(R.id.eTime);
eFee=(EditText)findViewById(R.id.eFee);
eP=(EditText)findViewById(R.id.eP);
eUpdate=(Button)findViewById(R.id.eUpdate);
eDelete=(Button)findViewById(R.id.eDelete);
linearLayout=(LinearLayout)findViewById(R.id.updatePanel);

db=new DatabaseHelper(this);

Toast.makeText(getApplicationContext(),"value "+name+
"+name,Toast.LENGTH_LONG).show();

record=db.getEventRecords();
while(record.moveToNext())
{
    evname=record.getString(1);
    if(name.equals(evname))
    {
        eventid=record.getInt(0);
        eN.setText(evname);
        eDes.setText(record.getString(2));
        eP.setText(record.getString(3));
        ePMob.setText(record.getString(4));
        ePEm.setText(record.getString(5));
        eD.setText(record.getString(6));
        eTime.setText(record.getString(7));
        eLoc.setText(record.getString(8));
        eFee.setText(record.getString(9));
    }
}

//Disabled Edit Text before updating
for (int i = 0; i < linearLayout.getChildCount(); i++) {
    View view = linearLayout.getChildAt(i);
    if (view instanceof EditText)
    {
        EditText editText = (EditText) view;
        editText.setEnabled(false);
    }
}

eUpdate.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        //Enabling Edit texts to write
        for (int i = 0; i < linearLayout.getChildCount(); i++)
        {
            View view = linearLayout.getChildAt(i);
            if (view instanceof EditText) {

```

```

        EditText editText = (EditText) view;
        editText.setEnabled(true);
    }

    if(eUpdate.getText().equals("Edit"))
    {
        eUpdate.setText("Update");
    }

    else if(eUpdate.getText().equals("Update"))

    {
        //validating if user keeps the text field empty
        boolean checkFields = validate(new EditText[]
        {
            eN,eDes,eP,ePMob,ePEm,eD,eTime,eLoc,eFee
        });

        if (checkFields == true)
        {

            boolean
res=db.updateEvents(eventid,eN.getText().toString(),eDes.getText().toString(),eP.getText().toString(),
,ePMob.getText().toString(),

ePEm.getText().toString(),eD.getText().toString(),eTime.getText().toString(),eLoc.getText().toString(),
),eFee.getText().toString());
            if(res==true)
            {
                Toast.makeText(getApplicationContext(), "Event Details Updated Successfully!",
Toast.LENGTH_SHORT).show();
                Intent intent= new Intent(getApplicationContext(),ViewEvents.class);
                startActivity(intent);
            }
            else
            {
                Toast.makeText(getApplicationContext(), "Something Went Wrong! Please Try
Again.", Toast.LENGTH_SHORT).show();
            }
            eUpdate.setText("Edit");
        }
        for (int i = 0; i < linearLayout.getChildCount(); i++) {
            View view = linearLayout.getChildAt(i);
            if (view instanceof EditText)
            {
                EditText editText = (EditText) view;
                editText.setEnabled(false);
            }
        }
        else
        {
            Toast.makeText(getApplicationContext(), "Please fill all the details.",
Toast.LENGTH_SHORT).show();
        }
    }
}

```

```

        }

    }

    private boolean validate(EditText[] editTexts)
    {
        for (int i = 0; i < editTexts.length; i++)
        {
            EditText currentField = editTexts[i];
            if (currentField.getText().toString().length() <= 0)
            {
                return false;
            }
        }
        return true;
    }

});

eDelete.setOnClickListener(new View.OnClickListener()
{
    @Override
    public void onClick(View v) {

        AlertDialog.Builder builder = new AlertDialog.Builder(Update.this);
        builder.setMessage("Are you sure you want to delete this event details?");
        builder.setTitle("Delete Event Details");
        builder.setCancelable(false);
        builder.setPositiveButton("Yes", new DialogInterface.OnClickListener()
        {
            @Override
            public void onClick(DialogInterface dialog, int which)
            {
                //delete event details
                boolean res=db.deleteEvent(eventid);
                if(res==true)
                {
                    Toast.makeText(Update.this, "Event Details Deleted Successfully! ",
                    Toast.LENGTH_LONG).show();
                }
                else
                {
                    Toast.makeText(Update.this, "Event Details Not Deleted. Please Try Again! ",
                    Toast.LENGTH_LONG).show();
                }
                Intent intent=new Intent(getApplicationContext(),ViewEvents.class);
                startActivity(intent);
            }
        });
        builder.setNegativeButton("No", new DialogInterface.OnClickListener()
        {
            @Override

```

```
        public void onClick(DialogInterface dialog, int which)
        {
            dialog.cancel();
        }
    });

AlertDialog alertDialog = builder.create();
alertDialog.show();

}
}
}
```

## FinalParticipation.java

```
package com.example.eventapp;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.database.Cursor;
import android.os.Bundle;
import android.widget.LinearLayout;
import android.widget.ListView;

import java.util.ArrayList;

public class FinalParticipation extends AppCompatActivity {

    ListView history;
    User user;
    int userid=0;
    DatabaseHelper db;
    ArrayList<Upcoming> uEvents;
    Upcoming u;
    LinearLayout layout;
    history_adpater adapt;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_final_participation);

        history=(ListView)findViewById(R.id.history);
        layout=(LinearLayout)findViewById(R.id.linear);
        uEvents=new ArrayList<>();
        db=new DatabaseHelper(this);

        //session
        user=new User(FinalParticipation.this);
        userid=getIntent().getExtras().getInt("id");
```

```

Cursor recs=db.showHistory(userid);
while(recs.moveToNext())
{
    int rid=recs.getInt(0);
    String ename=recs.getString(1);
    String edate=recs.getString(2);
    u = new Upcoming(ename, edate);
    if(rid==userid)
    {
        uEvents.add(u);
    }
}
adpt = new history_adpater(getApplicationContext(), R.layout.activity_history_adpater,
uEvents);
history.setAdapter(adpt);
}
}

```

### DatabaseHelper.java

```

package com.example.eventapp;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DatabaseHelper extends SQLiteOpenHelper {
    SQLiteDatabase db;

    public DatabaseHelper(@Nullable Context context) {
        super(context, "Demodatabase.db", null, 1);
        db= this.getWritableDatabase();
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create table register (rid integer primary key autoincrement, name text,email text, college text, mobile integer, password text)");
        db.execSQL("create table eventDetails (eid integer primary key autoincrement, eventname text,dept text, pocname text, pocmobile text, pocemail text, eventdate date, time text,location text, entryfee text)");
        db.execSQL("create table participants (pid integer primary key autoincrement,rid integer,eid integer,status text DEFAULT 'PARTICPATED')");
    }

    @Override

```

```

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
}

//inserting user details
public boolean insertData(String name, String email, String college, String mobile, String password)
{
    SQLiteDatabase db= this.getWritableDatabase();
    ContentValues contentValues= new ContentValues();
    contentValues.put("name",name);
    contentValues.put("email",email);
    contentValues.put("college",college);
    contentValues.put("mobile",mobile);
    contentValues.put("password",password);
    long res=db.insert("register",null,contentValues);
    if(res== -1)
    {
        return false;
    }
    else
    {
        return true;
    }
}

//inserting event details
public boolean insertEvent(String eventName, String desc, String poc, String pocmob, String pocemail, String date, String time, String location, String fee) {
    SQLiteDatabase db=this.getWritableDatabase();
    ContentValues contentValues= new ContentValues();
    contentValues.put("eventname",eventName);
    contentValues.put("dept",desc);
    contentValues.put("pocname",poc);
    contentValues.put("pocmobile",pocmob);
    contentValues.put("pocemail",pocemail);
    contentValues.put("eventdate",date);
    contentValues.put("time",time);
    contentValues.put("location",location);
    contentValues.put("entryfee",fee);
    long res=db.insert("eventDetails",null,contentValues);
    if(res== -1)
    {
        return false;
    }
    else
    {
        return true;
    }
}

//getting only id ,name , password
//login check
public Cursor getRecords() {

```

```

        db=this.getWritableDatabase();
        Cursor res=db.rawQuery("select rid,name,password from register",null);
        return res;
    }

    //getting all records of user
    public Cursor getUserRecords() {
        db=this.getWritableDatabase();
        Cursor res=db.rawQuery("select * from register",null);
        return res;
    }

    //get all event details
    public Cursor getEventRecords() {
        db=this.getWritableDatabase();
        Cursor res=db.rawQuery("select * from eventDetails ",null);
        return res;
    }

    //Update Event details
    public boolean updateEvents(Integer eid,String eventname,String dept,String pocname,String
pocmobile,String pocemail,String eventdate,String time,String location,String entryfee )
    {
        SQLiteDatabase db=this.getWritableDatabase();
        db.execSQL("UPDATE eventDetails SET
eventname='"+eventname+"',dept='"+dept+"',pocname='"+pocname+"',pocmobile='"+pocmobile+"',p
ocemail='"+pocemail+"',eventdate='"+eventdate+"',time='"+time+"',location='"+location+"',entryfee='
"+entryfee+"' WHERE eid="+eid);
        return true;
    }

    //delete event details
    public boolean deleteEvent(Integer eid)
    {
        SQLiteDatabase db=this.getWritableDatabase();
        db.execSQL("DELETE FROM eventDetails WHERE eid="+eid);
        return true;
    }

    //update user profile details
    public boolean updateUser(Integer rid,String name, String email, String college, String mobile
, String password)
    {
        SQLiteDatabase db=this.getWritableDatabase();
        db.execSQL("UPDATE register SET name =
"+name+",email='"+email+"',college='"+college+"',mobile='"+mobile+"',password='"+password+"'
WHERE rid = "+rid);
        return true;
    }
}

```

```

//insert the details of only participated users
public boolean insertParticipate(Integer rid, Integer eid)
{
    db=this.getWritableDatabase();
    ContentValues contentValues=new ContentValues();
    contentValues.put("rid",rid);
    contentValues.put("eid",eid);
    long res=db.insert("participants",null,contentValues);
    if(res==1)
        return false;
    else
        return true;
}

//get participants details , event name in which the user has participated, and participation id
public Cursor getParticipants()
{
    db=this.getWritableDatabase();
    Cursor res1=db.rawQuery("select
p.pid,r.name,e.eventname,r.email,r.college,r.mobile,e.eventdate from participants p,register
r,eventDetails e where p.rid=r.rid and p.eid=e.eid",null);
    return res1;
}

public Cursor showParticipants()
{
    db=this.getWritableDatabase();
    Cursor rec=db.rawQuery("select * from participants",null);
    return rec;
}

public Cursor showHistory(int rid)
{
    db=this.getWritableDatabase();
    Cursor rec=db.rawQuery("select p.rid,e.eventname,e.eventdate from participants p join
eventDetails e on e.eid=p.eid where p.rid="+rid,null);
    return rec;
}
}

```

### **options\_menu.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:app="http://schemas.android.com/apk/res-auto">
    <item
        android:id="@+id/history1"
        android:icon="@drawable/ic_history"
        app:showAsAction="ifRoom"
        android:title="History">

```

```
</item>
<item
    android:id="@+id/myProfile"
    android:title="My Profile"
    android:icon="@drawable/profile"
    app:showAsAction="ifRoom">
</item>
<item
    android:id="@+id/logout"
    android:title="Logout"
    android:icon="@drawable/logout"
    app:showAsAction="ifRoom">
</item>
</menu>
```

### **Btn.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:app="http://schemas.android.com/apk/res-auto">
    <item
        android:id="@+id/history1"
        android:icon="@drawable/ic_history"
        app:showAsAction="ifRoom"
        android:title="History">
    </item>
    <item
        android:id="@+id/myProfile"
        android:title="My Profile"
        android:icon="@drawable/profile"
        app:showAsAction="ifRoom">
    </item>
    <item
        android:id="@+id/logout"
        android:title="Logout"
        android:icon="@drawable/logout"
        app:showAsAction="ifRoom">
    </item>
</menu>
```

### **Et\_style.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">

    <stroke
        android:width="1dp"
        android:color="#3f9fff" />
    <corners android:radius="10dp"/>
</shape>
```

## Animations

### Imgpage.xml

```
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:startOffset="800"
    android:duration="800">

    <alpha
        android:fromAlpha="0.0"
        android:toAlpha="1.0"
        />
    <translate
        android:fromYDelta="150"
        android:fromXDelta="0"/>
</set>
```

### Dependencies added to the gradle file

```
apply plugin: 'com.android.application'
apply plugin: 'com.google.gms.google-services'

android {
    compileSdkVersion 28
    buildToolsVersion "29.0.3"

    defaultConfig {
        applicationId "com.example.eventapp"
        minSdkVersion 16
        targetSdkVersion 28
        versionCode 1
        versionName "1.0"

        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
    }

    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'),
'proguard-rules.pro'
        }
    }
}

dependencies {
    implementation fileTree(dir: 'libs', include: ['*.jar'])

    implementation 'androidx.appcompat:appcompat:1.0.2'
    implementation 'androidx.cardview:cardview:1.0.0'
    implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
    implementation 'com.google.firebaseio:firebase-database:19.2.1'
    implementation 'com.google.android.material:material:1.0.0'
    implementation 'androidx.lifecycle:lifecycle-extensions:2.0.0'
    testImplementation 'junit:junit:4.12'
    androidTestImplementation 'androidx.test.ext:junit:1.1.1'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'
```

```

        implementation files('libs\\activation.jar')
        implementation files('libs\\additionnal.jar')
        implementation files('libs\\mail.jar')
    }

```

## AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.eventapp">

    <uses-permission android:name="android.permission.INTERNET"></uses-permission>

    <application
        android:allowBackup="true"
        android:icon="@mipmap/logo"
        android:label="ICON Event"
        android:roundIcon="@mipmap/logo"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">

        <activity android:name=".history_adpater"></activity>
        <activity android:name=".ViewPartcipants_list_adapter" />
        <activity android:name=".Update" />
        <activity android:name=".EventMoreDetails" />
        <activity
            android:name=".myProfile"
            android:label="My Profile" />
        <activity
            android:name=".ViewParticipants"
            android:label="Participants Details" />
        <activity
            android:name=".ViewEvents"
            android:label="View Events" />
        <activity android:name=".FinalParticipation" />
        <activity android:name=".HomePage" />
        <activity android:name=".Registration" />
        <activity android:name=".Login" />
        <activity
            android:name=".AddEvent"
            android:label="Add Events" />
        <activity android:name=".AdminHome" />
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

        <meta-data
            android:name="preload_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>

</manifest>

```

## Db Browser

### Register table

The screenshot shows the 'register' table in DB Browser for SQLite. The table has columns: rid, name, email, college, mobile, and password. There are two rows of data:

rid	name	email	college	mobile	password
1	vaidehi	vaidehi.kulkar...	KJSIMSR	8569856985	vv
2	vaidehi	vaidehi.kulkar...	slmsr	9808964631	vv

### eventDetails table

The screenshot shows the 'eventDetails' table in DB Browser for SQLite. The table has columns: eid, eventname, dept, pocname, pocmobile, pocemail, eventdate, time, location, and entryfee. There are nine rows of data:

eid	eventname	dept	pocname	pocmobile	pocemail	eventdate	time	location	entryfee
1	GK Quiz	4 members m...	Ruchira	9461520286	ruchira.v@so...	05/06/2020	13:30	KJSIMSR, Sar...	250
2	ERP SIM CUP	4 members re...	Nithyalakshmi...	9963254875	nithyalaksh...	07/06/2020	11:30	KJSIMSR, Sar...	250
3	CodeIcon	Minimum 3 a...	Himani Narang	9875412465	himani.n@so...	08/06/2020	09:00	KJSIMSR, Sar...	200
4	CodeIcon Finale	Semifinalists f...	Vaidehi Kulkarni	8356922752	vaidehi.kulkar...	09/06/2020	09:00	KJSIMSR, Sar...	0
5	presenticon	4 members in...	vaidehi	8956236589	vaidehi.kulkar...	06/06/2020	10:30	KJSIMSR, Sar...	200
6	Razmataaz	Dance compet...	Vaidehi	8569875124	vaidehirkulkar...	12/07/2020	13:00	Sarvoday Bud...	250
7	Gitterrati	Fashion Show	Nithyalakshmi	9632154876	nithyalakshmi...	12/07/2020	10:30	Sarvoday Bud...	500
8	pubg	no team requir...	valdehu	9464616810	www@gmail.com	26/07/2020	10:30	Sarvoday Bud...	500

## Participants table

The screenshot shows the DB Browser for SQLite application interface. The main window displays a table named 'participants' with the following data:

pid	rid	eid	status
1	1	2	PARTICIPATED
2	2	1	PARTICIPATED
3	3	2	PARTICIPATED
4	4	2	PARTICIPATED
5	5	9	PARTICIPATED

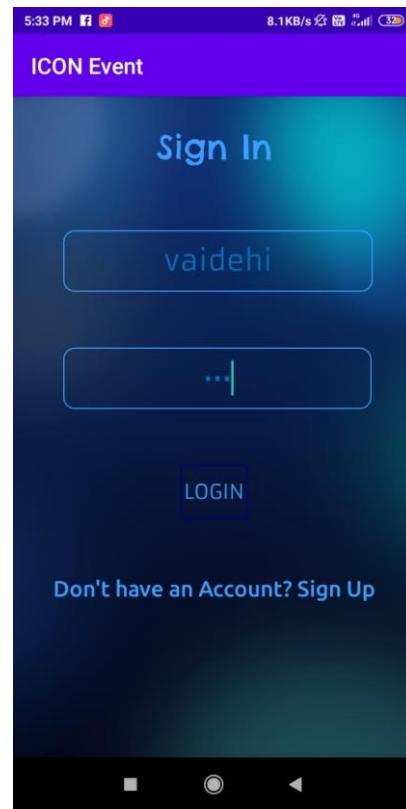
The application window includes a toolbar with various database management icons at the top. Below the table, there are navigation buttons for first, previous, next, and last records, along with a 'Go to:' input field. The status bar at the bottom right shows system information like battery level, signal strength, language (ENG), time (16:34), date (11-07-2020), and file encoding (UTF-8).

## GUI & OUTPUT

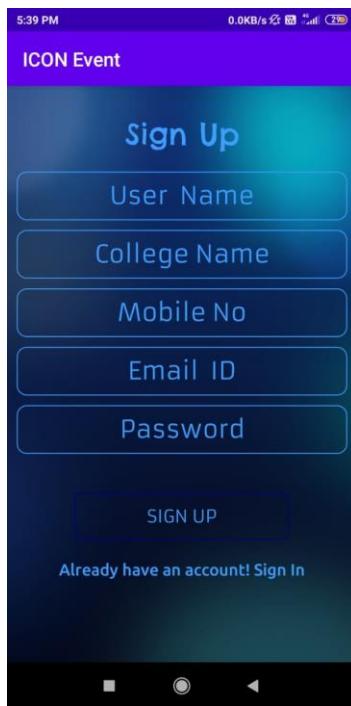
Splash Screen



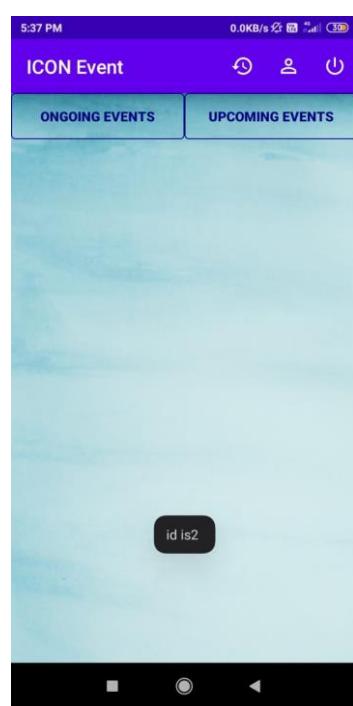
Login Page



Registration Page



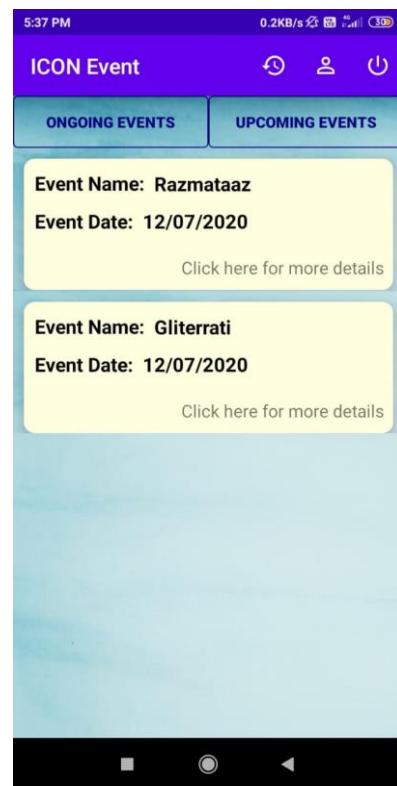
Homepage



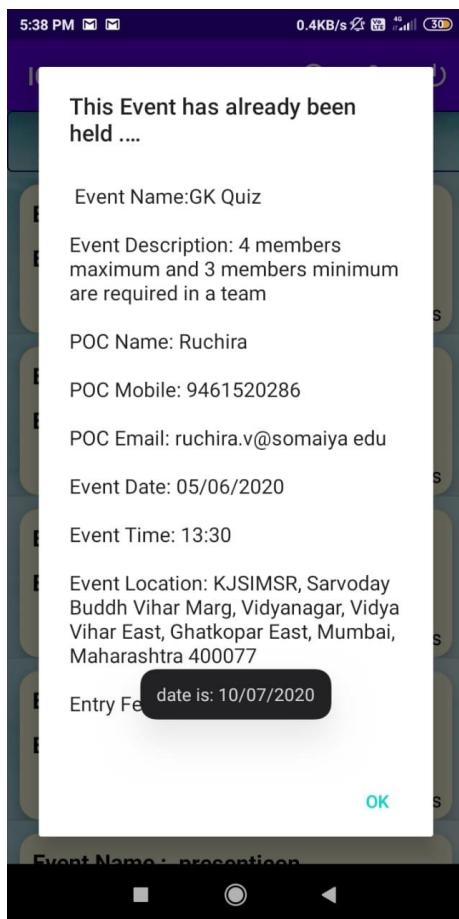
## Ongoing Events page



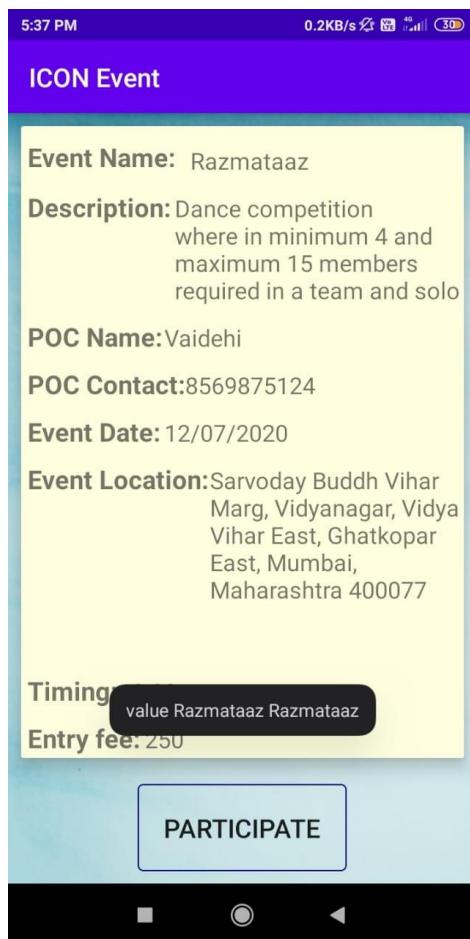
## Upcoming Events Page



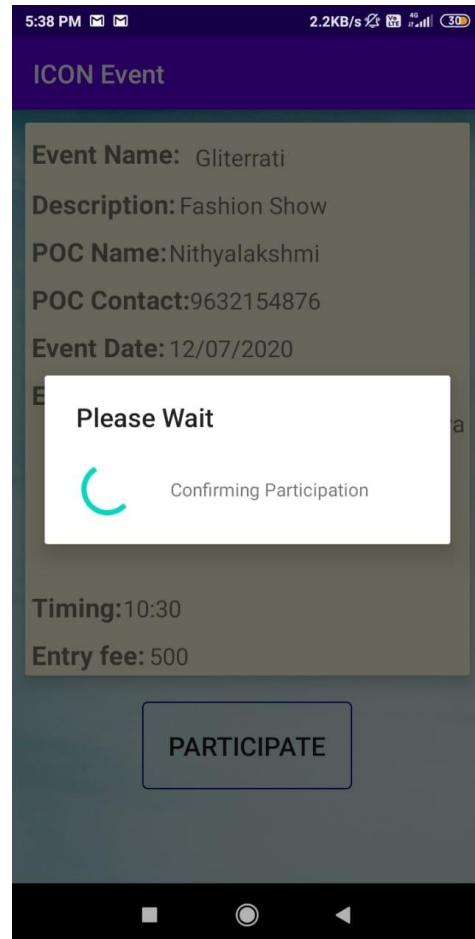
On clicking the ongoing events which have been already held



### On clicking the upcoming events name



### On Participating in an event



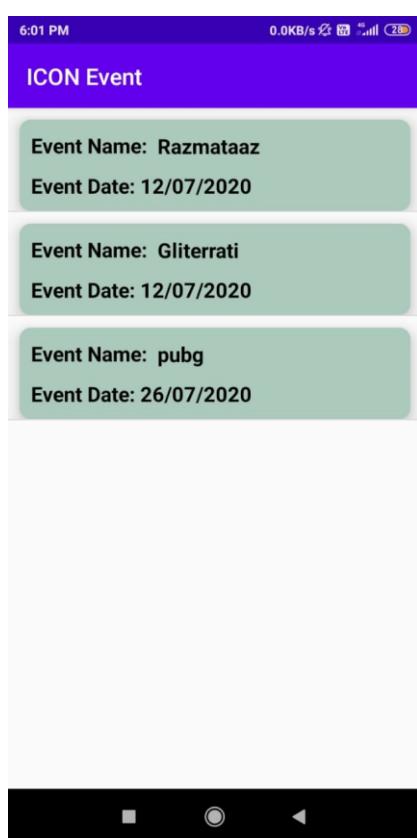
You will receive email about all the events you have participated

SIMSR Event Particpation Details

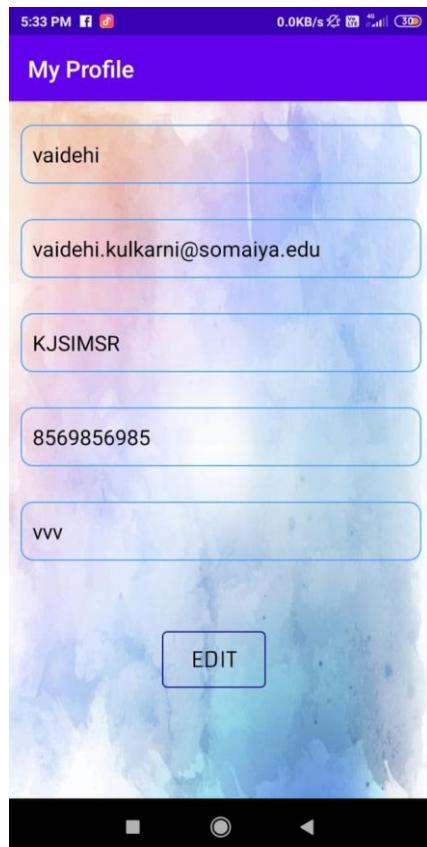
vaidehi4kulkarni@gmail.com  
to me

You have partipated Razmataaz Event dated on 12/07/2020In KJSIMSR  
Kindly be present on the location 15 minutes before .  
You willhave to pay the entry fee at the college location itself.  
Please carry your ID cards with you.  
Thanks  
Regards, KJSIMSR

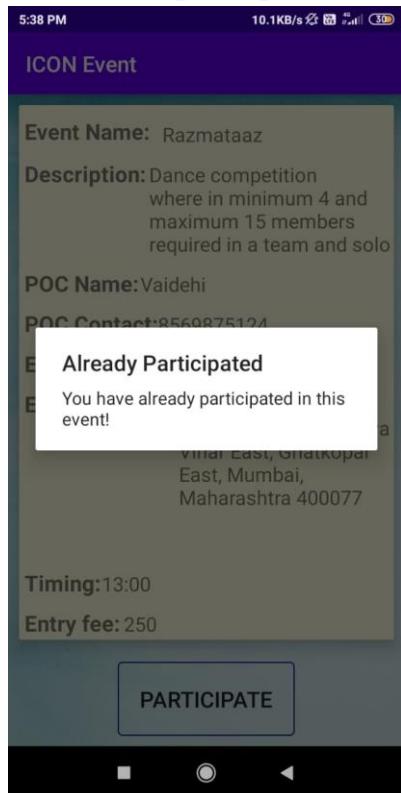
## View History



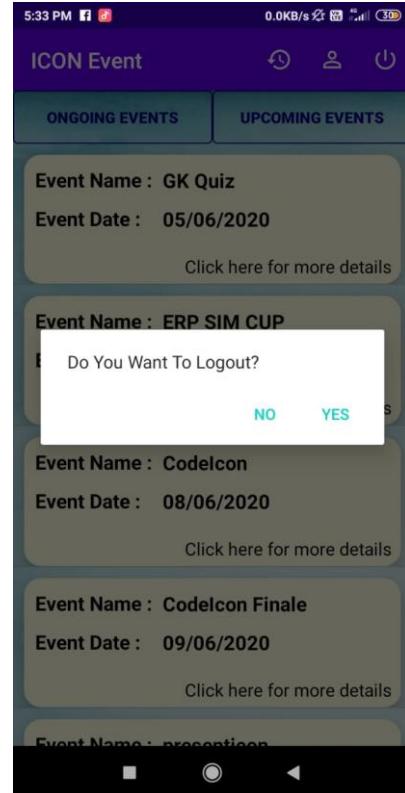
## MyProfile



If you click on the event on which you have already participated

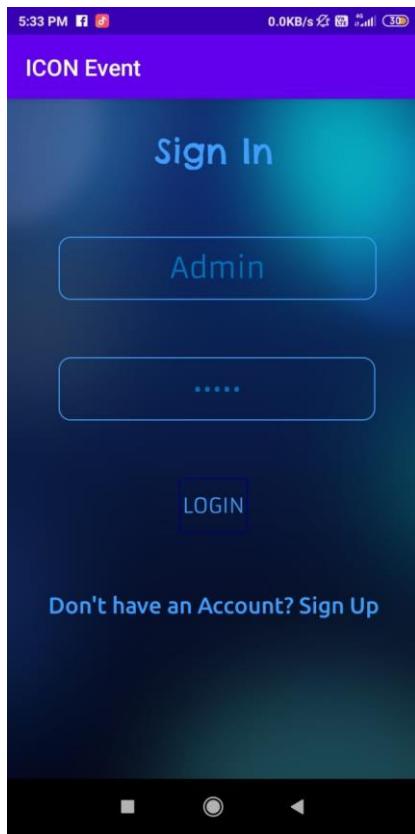


## Logout

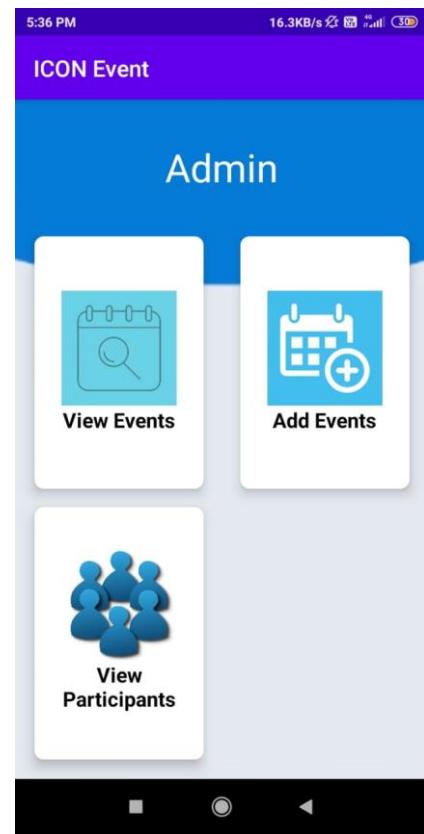


## Admin Panel

### Admin Login



### Admin Home Page



### Add Events

The screenshot shows the 'Add Events' screen. It has a purple header 'Add Events'. Below are several input fields: 'Event Name', 'Event Description', 'POC name', 'POC Mobile Number', 'POC Email ID', 'dd/mm/yyyy\* format', 'Timing \*21:00\* format', 'Location', and 'Entry fees'. At the bottom is a 'ADD EVENT' button.

### View Events

The screenshot shows the 'View Events' screen. It has a purple header 'View Events'. Below are two event cards. The first event card details: Event Name: Codelcon Finale, Event Description: Semifinalists from codeicon will compete together on the finale. 5 teams will be selected from codelcon semifinals, POC name: Vaidehi Kulkarni, POC Mobile No: 8356922752, POC Email: vaidehi.kulkarni@somaiya.edu, Event Date: 09/06/2020, Event Location: KJSIMSR, Savoday Buddh Vihar Marg, Vidyanagar, Vidyavihar East, Ghatkopar East, Mumbai, Maharashtra 400077, Event Time: 09:00, Event Fee: 0. The second event card details: Event Name: presenticon, Event Description: 4 members in a team, POC name: vaidehi, POC Mobile No: 8956236589, POC Email: vaidehi.kulkarni@somaiya.edu, Event Date: 06/06/2020. There is also a link 'Click to update or delete event'.

### View Participants

The screenshot shows the 'View Participants' screen. It has a purple header 'Participants Details'. Below are two participant details. The first participant: Participant ID: 3, Participant's name: vaidehi, Event name: Razmataaz, Participant's email: vaidehi.kulkarni@somaiya.edu. The second participant: Participant ID: 4, Participant's name: vaidehi, Event name: Gliterrati, Participant's email: vaidehi.kulkarni@somaiya.edu. Both participants are associated with College: KJSIMSR and Contact: 8569856985. There is also a link 'Participant's College: simsr' and 'Participant's Contact: 9808964631'.