

//First question code & file

Login Layout Code:

File Name: activity_name.xml

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

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:gravity="center"
    android:padding="12dp"
    android:orientation="vertical"
    android:background="@color/teal_200"
    tools:context=".MainActivity">

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"

        android:background="@drawable/edit_text_background"
        android:hint="Reg No"
        android:inputType="number"
        android:padding="10dp"

        tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:background="@drawable/edit_text_background"
    android:layout_marginTop="15dp"
    android:hint="Password"
    android:inputType="textPassword"
    android:padding="10dp"

tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"

    android:background="@drawable/edit_text_background"
    android:padding="10dp"
    android:text="Login"
    android:textColor="#FF9800"
    android:textStyle="bold"
    tools:ignore="HardcodedText" />
```

```
<TextView
    android:id="@+id/r1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="New User?Register"
    android:textColor="#FF5722"
    tools:ignore="HardcodedText" />
```

</LinearLayout>

Registration Layout Code:

File Name: activity_registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<LinearLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/a  
ndroid"
```

```
xmlns
```

```
<TextView
```

```
android:id="@+id/login_user"
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:text="Already a User?Login"
```

```
android:textColor="@color/purple_700"
```

```
tools:ignore="HardcodedText" />
```

```
</LinearLayout>s:app="http://schemas.android.com/ap  
k/res-auto"
```

```
xmlns:tools="http://schemas.android.com/tools"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:gravity="center"
```

```
android:orientation="vertical"
```

```
android:padding="12dp"
```

```
tools:context=".registration">
```

```
<EditText
```

```
android:id="@+id/address"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
        android:layout_marginTop="15dp"

        android:background="@drawable/edit_text_background"
        android:hint="Address"
        android:inputType="textPersonName"
        android:padding="10dp"

        tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
    <EditText
        android:id="@+id/regno"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"

        android:background="@drawable/edit_text_background"
        android:hint="Reg No"
        android:inputType="textPersonName"
        android:padding="10dp"

        tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"

        android:background="@drawable/edit_text_background"
        android:hint="Email"
        android:inputType="textEmailAddress"
        android:padding="10dp"
```

```
tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
<EditText
```

```
    android:id="@+id/mobilenumber"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
```

```
    android:background="@drawable/edit_text_background"
    android:hint="Mobile No"
    android:inputType="phone"
    android:padding="10dp"
```

```
tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
<EditText
```

```
    android:id="@+id/password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
```

```
    android:background="@drawable/edit_text_background"
    android:hint="Password"
    android:inputType="textPassword"
    android:padding="10dp"
```

```
tools:ignore="Autofill,HardcodedText,TextFields" />
```

```
<Button
```

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

```
        android:layout_marginTop="15dp"

    android:background="@drawable/edit_text_background"
    android:padding="10dp"
    android:text="Register"
    android:textStyle="bold"
    tools:ignore="HardcodedText" />
```

Java File Code:

MainActivity.java

```
package com.example.studentform;
import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity
{

    TextView r1;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
```

```

        r1=findViewById(R.id.r1) ;

        r1.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new
Intent(MainActivity.this,registration.class));
                finish();
            }
        });
    }
}

```

Java File Code:

registration.java

```

package com.example.studentform;
import androidx.appcompat.app.AppCompatActivity;

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

public class registration extends AppCompatActivity
{

```

```

TextView l1;
EditText e1,e2,e3,e4,e5;

@Override
protected void onCreate(Bundle
savedInstanceState) {
    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_registration);

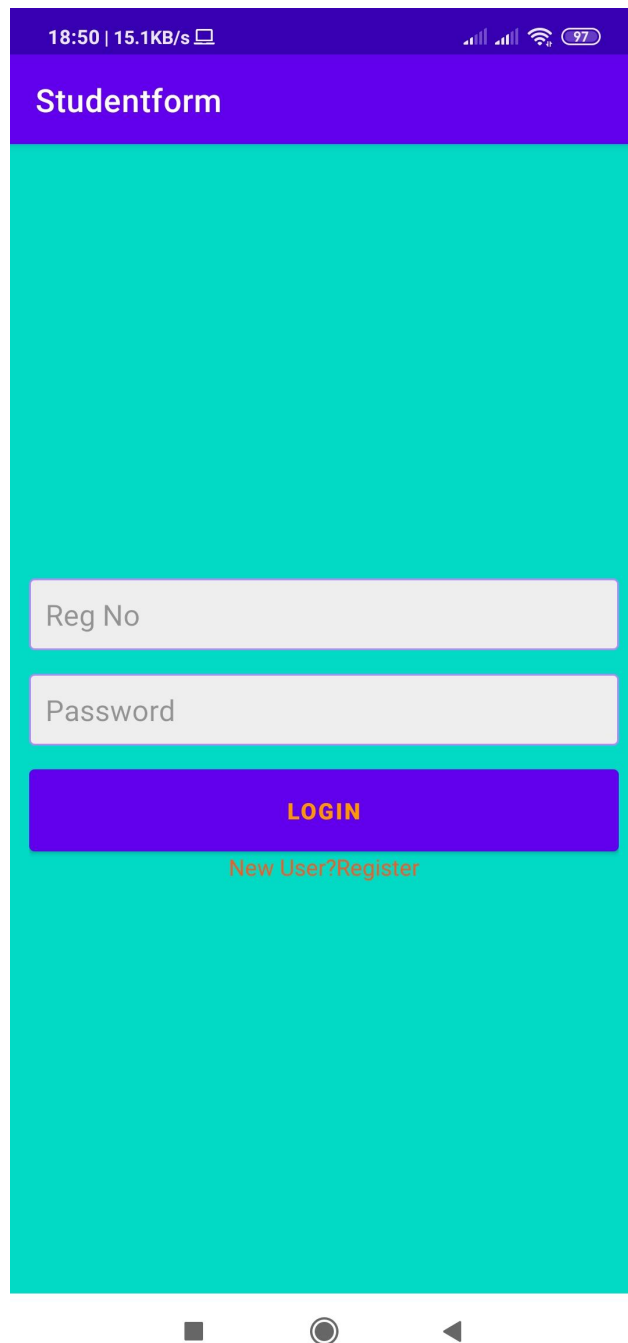
    e1=findViewById(R.id.address);
    e2=findViewById(R.id.email);
    e3=findViewById(R.id.mobilenumber);
    e4=findViewById(R.id.password);
    e5=findViewById(R.id.regno);

    l1=findViewById(R.id.login_user);

    l1.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View v) {
            startActivity(new
Intent(registration.this,MainActivity.class));
            finish();
        }
    });
}
}

```


App Working Output:



The screenshot shows a mobile application interface for a student login. At the top, a purple header bar contains the title "Studentform" in white text. Below the header is a large cyan rectangular area. Within this area, there are two white input fields: the first is labeled "Reg No" and the second is labeled "Password". Below these fields is a purple button with the text "LOGIN" in yellow. Underneath the button is a link that says "New User?Register" in yellow text. The top of the screen shows a status bar with the time "18:50", a data speed indicator "15.1KB/s", and various connectivity icons. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.

18:50 | 15.1KB/s

Studentform

Reg No

Password

LOGIN

[New User?Register](#)

18:51 | 3.2KB/s



Studentform

REGISTER

[Already a User?Login](#)

//second question code & file

FrontEnd Layout Code File: activity_main.xml

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

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:layout_marginStart="20dp"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:background="@color/purple_200"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/et1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:layout_marginTop="100dp"
```

```
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:layout_marginBottom="20dp"
    android:ems="10"
    android:hint="enter first number"
    android:inputType="numberDecimal" />
```

<EditText

```
    android:id="@+id/et2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:ems="10"
    android:hint="enter second number"
    android:inputType="none|numberDecimal" />
```

<Button

```
    android:id="@+id/add"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:text="addtion"
    android:textColor="@color/teal_200" />
```

<Button

```
    android:id="@+id/sub"
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:text="substration"
```

```
    android:textColor="@color/design_default_color_error" />
```

```
<Button
```

```
    android:id="@+id/mul"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:text="multiplication"
```

```
    android:textColor="@color/design_default_color_on_secondary" />
```

```
<Button
```

```
    android:id="@+id/div"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:layout_marginTop="10dp"
    android:layout_marginEnd="20dp"
    android:layout_marginRight="20dp"
    android:text="division"
```

```
android:textColor="@android:color/holo_green_light"  
/>
```

```
<TextView  
    android:id="@+id/tv"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:hint="result" />
```

```
</LinearLayout>
```

Java Executable File:

MainActivity.java

```
package com.example.calculator;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity
{
    EditText et1, et2; //id if text number edit
    Button add, sub, mul, div; // id of buttom
    TextView tv;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        et1 = findViewById(R.id.et1);
        et2 = findViewById(R.id.et2);
        add = findViewById(R.id.add);
        sub = findViewById(R.id.sub);
        mul = findViewById(R.id.mul);
        div = findViewById(R.id.div);
        tv = findViewById(R.id.tv);

        add.setOnClickListener(new
View.OnClickListener() {
```

```

        @Override
        public void onClick(View v) {
            float f, s, a;
            f =
Float.parseFloat(et1.getText().toString());
            s =
Float.parseFloat(et2.getText().toString());
            a = f+s;
            tv.setText("result = " + a);
        }
    });

    div.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View v) {
            float f, s, a;
            f =
Float.parseFloat(et1.getText().toString());
            s =
Float.parseFloat(et2.getText().toString());
            if(s == 0.0){
                tv.setText("infinity");
            }else {
                a = f / s;
                tv.setText("result = " + a);
            }
        }
    });

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

```



```

        float f, s, a;
        f =
Float.parseFloat(et1.getText().toString());
        s =
Float.parseFloat(et2.getText().toString());
        a = f-s;
        tv.setText("result = " + a);
    }
});
mul.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View v) {
        float f, s, a;
        f =
Float.parseFloat(et1.getText().toString());
        s =
Float.parseFloat(et2.getText().toString());
        a = f*s;
        tv.setText("result = " + a);
    }
});
}
}

```

App Working Output:

Layout Display:

calculator

ADDTION

SUBSTRATION

MULTIPLICATION

DIVISION

Demo Display Calculation:

calculator

12

15

ADDTION

SUBSTRATION

MULTIPLICATION

DIVISION

result = 27.0

//Third question Code & File

ScrollView of Images & Rotation Of Image

activity_main.xml

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

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">

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

        <!--          <Button-->
        <!--
        android:layout_width="wrap_content"-->
        <!--
        android:layout_height="match_parent">-->
            <ImageView
                android:id="@+id/img1"
                android:layout_width="match_parent"
```

```

        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:adjustViewBounds="true"
        android:scaleType="fitStart"
        android:src="@drawable/flow5"
        android:contentDescription="TODO"
        tools:ignore="ContentDescription" />
<!--      </Button>-->

<!--      <Button-->
<!--
android:layout_width="match_parent"-->
<!--
android:layout_height="wrap_content">-->
    <ImageView
        android:id="@+id/img2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:scaleType="fitStart"
        android:src="@drawable/flow1"
        android:contentDescription="TODO"
        tools:ignore="ContentDescription" />
<!--      </Button>-->
<!--      <Button-->
<!--
android:layout_width="wrap_content"-->
<!--
android:layout_height="match_parent">-->
    <ImageView
        android:id="@+id/img3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"

```

```

        android:layout_marginTop="10dp"
        android:adjustViewBounds="true"
        android:scaleType="fitStart"
        android:contentDescription="TODO"
        tools:ignore="ContentDescription"
        android:src="@drawable/flow3" />
<!--          </Button>-->
<!--          <Button-->
<!--
android:layout_width="match_parent"-->
<!--
android:layout_height="wrap_content">-->
    <ImageView
        android:id="@+id/img4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:scaleType="fitStart"
        android:contentDescription="TODO"
        tools:ignore="ContentDescription"
        android:src="@drawable/flow4" />
<!--          </Button>-->
    </LinearLayout>
</ScrollView>

```

Rotation Layout xml File:

activity_flip.xml

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

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=".flip">

    <Button
        android:id="@+id/anti"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="115dp"
        android:layout_marginLeft="115dp"
        android:layout_marginEnd="141dp"
        android:layout_marginRight="141dp"
        android:layout_marginBottom="146dp"
        android:text="AntiClockwise"

        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintStart_toStartOf="parent" />
```

```
<ImageView
```

```

        android:id="@+id/flipimg1"
        android:layout_width="260dp"
        android:layout_height="185dp"
        android:layout_marginStart="75dp"
        android:layout_marginLeft="75dp"
        android:layout_marginTop="72dp"
        android:layout_marginEnd="76dp"
        android:layout_marginRight="76dp"
        android:foregroundGravity="center"

app:layout_constraintBottom_toTopOf="@+id/anti"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/clock"
    app:layout_constraintVertical_bias="0.222"
    app:srcCompat="@drawable/flow5"/>

<Button
    android:id="@+id/clock"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="116dp"
    android:text="Clockwise"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.438"

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

```


Scroll View Java Code & File:

MainActivity.java

```
package com.example.rotation;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity
{

    ImageView btn1,btn2,btn3,btn4;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        btn1=findViewById(R.id.img1);
        btn2=findViewById(R.id.img2);
        btn3=findViewById(R.id.img3);
        btn4=findViewById(R.id.img4);

        btn1.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```
        startActivity(new
Intent(MainActivity.this,flip.class));
    }
});

    btn2.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View v) {
            startActivity(new
Intent(MainActivity.this,flip2.class));
        }
    });

    btn3.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View v) {
            startActivity(new
Intent(MainActivity.this,flip3.class));
        }
    });

    btn4.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View v) {
            startActivity(new
Intent(MainActivity.this,flip4.class));
        }
    });

}
```

```
}
```

Rotation of Image Clock & anti Clockwise Java File: **flip.java**

```
package com.example.rotation;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class flip extends AppCompatActivity {

    Button btn1,btn2;
    ImageView img1;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {

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

        btn1=findViewById(R.id.clock);
        btn2=findViewById(R.id.anti);
        img1=findViewById(R.id.flipimg1);
```

```
        btn1.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //clockwise

img1.setRotation(img1.getRotation()+90);
            }
        });

        btn2.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //anticlockwise

img1.setRotation(img1.getRotation()-90);
                //startActivity(new
Intent(MainActivity.this,Raju.class));
            }
        });
    }
}
```

App Working Output:

ScrollView Up & Down



Rotation Layout of Images



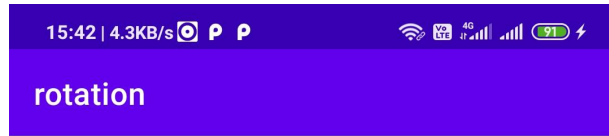
CLOCKWISE



ANTICLOCKWISE



Rotation Demo:



CLOCKWISE



ANTICLOCKWISE



//Four Question Code & File

Layout Code & File

activity_main.xml

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

```
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/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="132dp"
    android:layout_marginTop="96dp"
    android:onClick="buttonCreateFile"
    android:text="Create file"
```

```
app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="RtlCompat" />
```

```
<Button
```



```
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="135dp"
    android:layout_marginTop="67dp"
    android:onClick="buttonDeleteFile"
    android:text="Detele file"
```

```
app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/button"
    tools:ignore="RtlCompat" />
```

```
<Button
```

```
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="132dp"
    android:layout_marginLeft="132dp"
    android:layout_marginTop="272dp"
    android:text="DownloadFile"
```

```
app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/button"
    tools:ignore="RtlCompat" />
```

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

```
package com.example.filehandle;
import android.Manifest;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.os.Environment;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

import java.io.File;
import java.io.IOException;

public class MainActivity extends AppCompatActivity
{

    private File filePath = new
File(Environment.getExternalStorageDirectory() +
"/ABC.pdf");
    Button download1;

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

```

        download1=findViewById(R.id.button3);

        download1.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this,
"File downloaded Successfully!",
Toast.LENGTH_LONG).show();
            }
        });

        ActivityCompat.requestPermissions(this, new
String[] {Manifest.permission.WRITE_EXTERNAL_STORAGE
        ,
Manifest.permission.READ_EXTERNAL_STORAGE},
PackageManager.PERMISSION_GRANTED);

    }

    public void buttonCreateFile(View view){
        try {
            filePath.createNewFile();
            Toast.makeText(this, "File Created
Successfully!", Toast.LENGTH_LONG).show();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

    public void buttonDeleteFile(View view){
        if (filePath.exists()){
            filePath.delete();
        }
    }

```

```
        Toast.makeText(this, "File Deleted  
Successfully!", Toast.LENGTH_LONG).show();  
    }  
}  
}
```

App Working Output:



19:27 | 0.4KB/s P P



FileHandle

CREATE FILE

DETELE FILE

DOWNLOADFILE

File Created Successfully!



19:27 | 0.0KB/s P P



FileHandle

CREATE FILE

DETELE FILE

DOWNLOADFILE

File Deleted Successfully!



19:34 | 0.0KB/s P P



FileHandle

CREATE FILE

DETELE FILE

DOWNLOADFILE

File downloaded Successfully!



//fifth question code & Files

Xml Code File:

activity_main.xml

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

    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    // WebView Element
    <WebView
        android:id="@+id/webview"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>
```

Java File of WebPage Rendering

MainActivity.java

```
package com.example.webpagerendering;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.webkit.WebSettings;
import android.webkit.WebView;
import android.webkit.WebViewClient;

public class MainActivity extends AppCompatActivity
{

    private WebView mywebView;

    @SuppressLint("SetJavaScriptEnabled")

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

        this.mywebView = (WebView)
findViewById(R.id.webview);
    }
}
```

```
        WebSettings webSettings =
mywebView.getSettings();
        webSettings.setJavaScriptEnabled(true);

mywebView.loadUrl("https://nitnagaland.ac.in/"); //
Line of Code for opening links in app
        mywebView.setWebViewClient(new
WebViewClient());
    }

    @Override
    public void onBackPressed() {
        // now you don't need findViewById because
you can access field prepared in onCreate
        if (mywebView.canGoBack()) {
            mywebView.goBack();
        } else {
            super.onBackPressed();
        }
    }
}
```

App working & Output: Screenshot of Web Page Rendering:

