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Course:-BCA 5A  
Roll No:-29  
Uni Roll No:-1921085

## **Problem Statement:- Create a simple application to change background colour on button click.**

### **XML Code:-**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/rlVar1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/black"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/btVar2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/btVar1"
        android:layout_alignParentStart="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="37dp"
        android:layout_marginTop="88dp"
        android:text="Green" />

    <Button
        android:id="@+id/btVar1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="40dp"
        android:layout_marginTop="91dp"
        android:text="Red" />

    <Button
        android:id="@+id/btVar3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerVertical="true"
        android:layout_marginTop="333dp"
        android:layout_marginEnd="285dp"
        android:text="Button" />

</RelativeLayout>
```

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## Java Code:-

```
package com.example.backgroundchange;

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

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

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

        Button button1, button2, button3;
        final RelativeLayout relativeLayout;

        button1 = findViewById(R.id.btVar1);

        button2 = findViewById(R.id.btVar2);

        button3 = findViewById(R.id.btVar3);

        relativeLayout = findViewById(R.id.rlVar1);

        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                relativeLayout.setBackgroundResource(R.color.red);
            }
        });

        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                relativeLayout.setBackgroundResource(R.color.colorAccent);
            }
        });

        button3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                relativeLayout.setBackgroundResource(R.color.blue);
            }
        });

    }
}
```

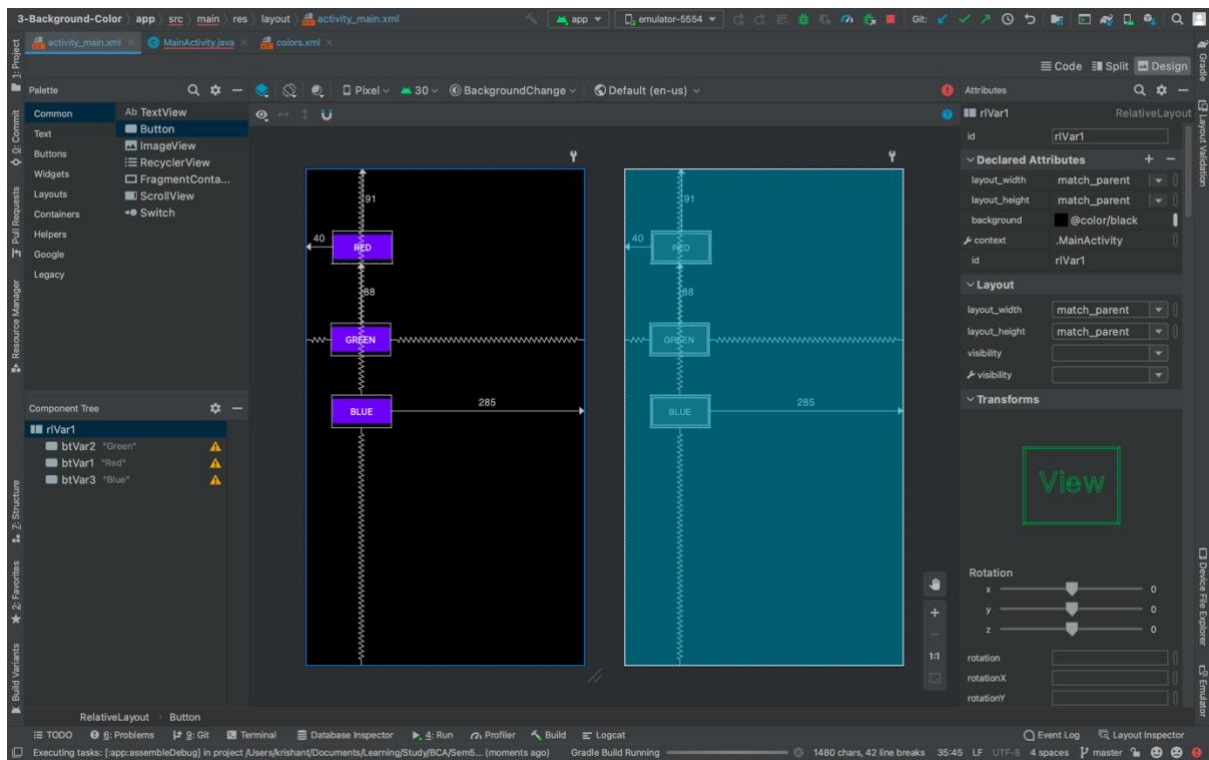
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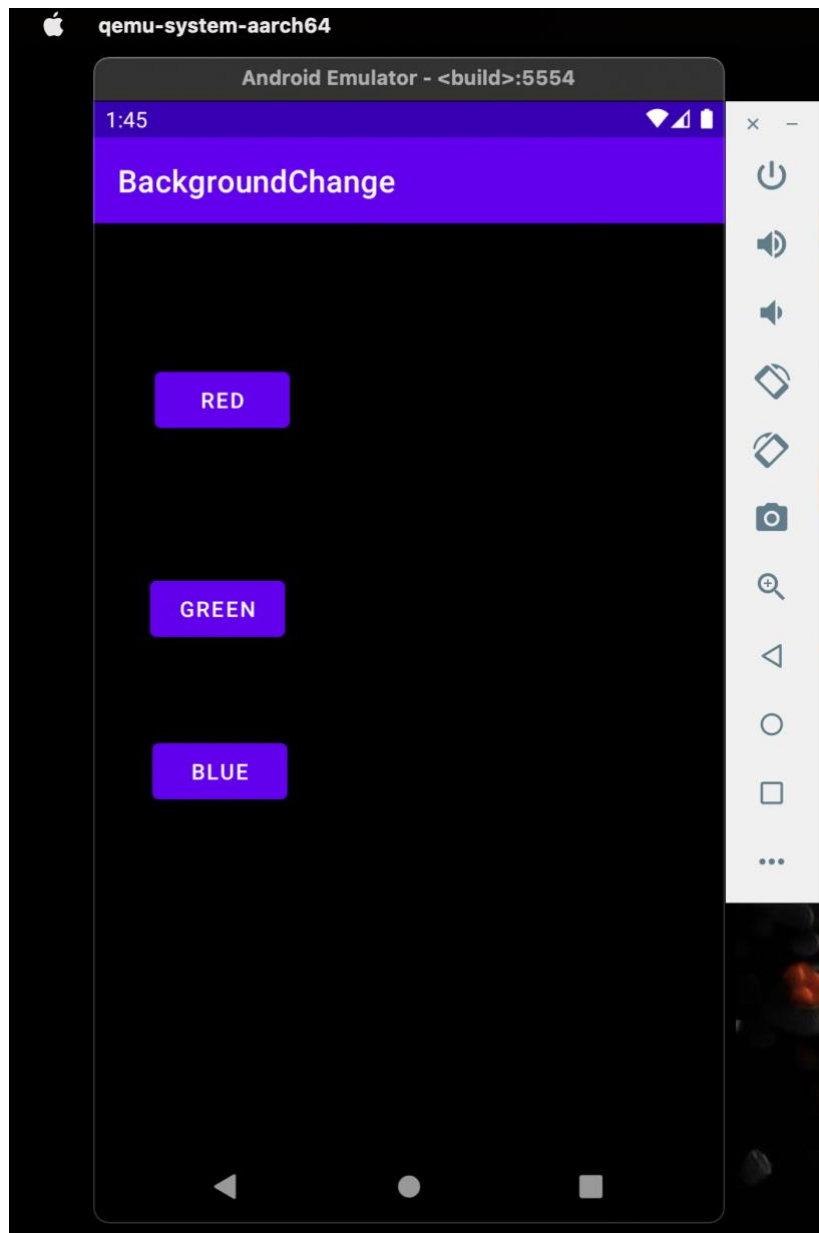
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O/P:-



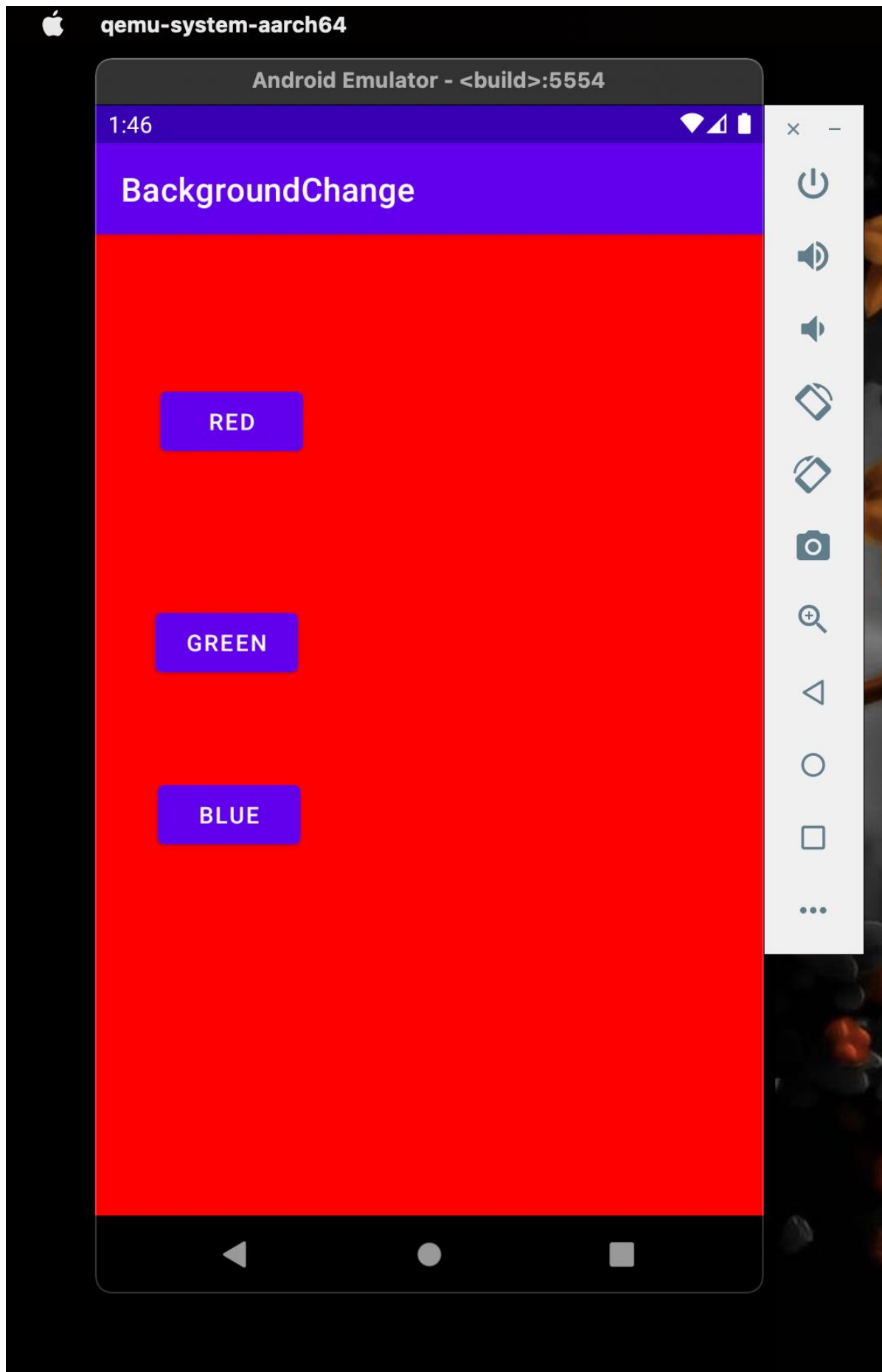
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Before:-

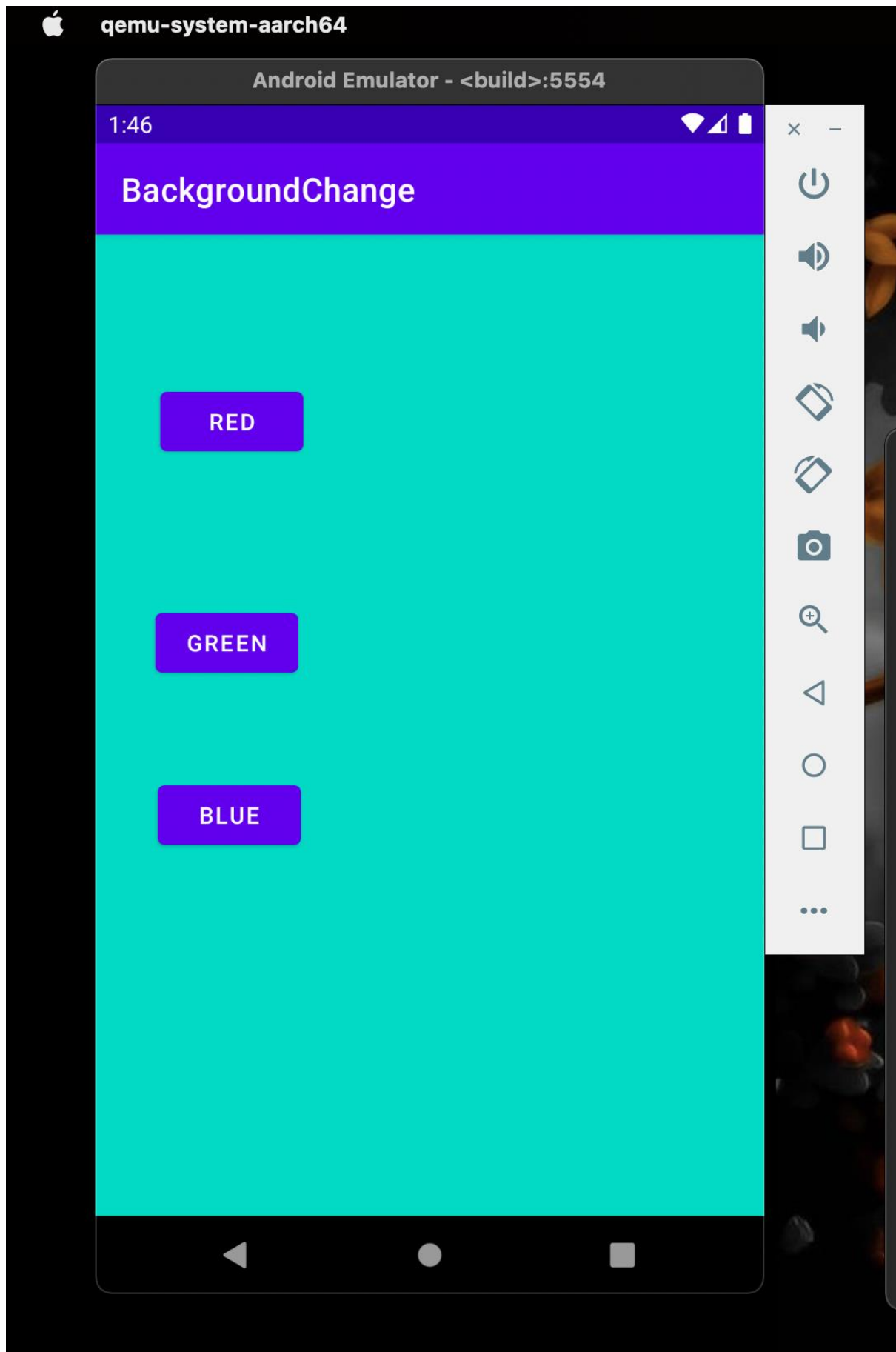


After:-

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