Experiment No. 9

Aim: Create a background application that will open activity on specific time.

Program:

• Activity.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"
    android:background="@color/green"
    tools:context=".MainActivity">
    <ImageView</pre>
        android:id="@+id/img"
        android:layout width="150dp"
        android:layout height="150dp"
        android:layout centerInParent="true"
        android:layout marginStart="25dp"
        android:layout marginTop="25dp"
        android:layout marginEnd="25dp"
        android:layout marginBottom="25dp"
        android:src="@drawable/supra" />
    <ProgressBar
        android:id="@+id/pb"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout below="@+id/img"
        android:layout centerInParent="true"
        android:layout marginTop="25dp"
        android:indeterminateTint="@color/white" />
</RelativeLayout>
```

• 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"
    android:background="@color/green"
    tools:context=".MainActivity2">
    <TextView
        android:id="@+id/tv"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout centerInParent="true"
        android:layout marginStart="20dp"
        android:layout marginTop="20dp"
        android:layout marginEnd="20dp"
        android:layout marginBottom="20dp"
        android:gravity="center"
        android:padding="10dp"
        android:text="It's Supra.... Ratatatatata"
        android:textAlignment="center"
        android:textSize="48sp"
        android:fontFamily="cursive"
        android:textStyle="bold"
        />
</RelativeLayout>
```

• MainActivity.java:-

```
package com.example.flashscreen;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.widget.ImageView;
import android.widget.ProgressBar;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
}
```

```
setContentView(R.layout.activity main);
        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent i = new Intent(MainActivity.this,
MainActivity2.class);
                startActivity(i);
                finish();
        }, 2000);
    }
}
  • MainActivity2.java:-
package com.example.flashscreen;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity2 extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main2);
```

}

Output:





Conclusion:

Hence, by completing this experiment I came to know that how to Create a background application that will open activity on specific time.

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)