Assignment:-8

8. Create an application that fetches foreground and background colors from User. Save it as preference. On the next screen change font color based on values passed by user. If no preferences are set then use Black color respectively

Ans :

MainActivity.java :

```java
package com.example.nidhi.radio;
import android.content.Intent;
import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.CompoundButton;
import android.widget.RadioButton;
import android.widget.RadioGroup;
public class MainActivity extends AppCompatActivity {
  private RadioGroup rg;
  private RadioButton pink,blue,red;
  SharedPreferences sharedPreferences;
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    rg = (RadioGroup)findViewById(R.id.rgroup);
    pink = (RadioButton)findViewById(R.id.radioButton2);
    blue = (RadioButton)findViewById(R.id.radioButton3);
    red = (RadioButton)findViewById(R.id.radioButton4);

    pink.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
      @Override
      public void onCheckedChanged(CompoundButton compoundButton, boolean b) {
        SharedPreferences pref = getApplicationContext().getSharedPreferences("mypref",0);
        SharedPreferences.Editor editor=pref.edit();
        editor.putString("color","#FF007F");
        editor.commit();
        Intent i = new Intent(getApplicationContext(),secondpage.class);
        startActivity(i);
      }
    });
    blue.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
      @Override
      public void onCheckedChanged(CompoundButton compoundButton, boolean b) {
```

```java
        SharedPreferences pref = getApplicationContext().getSharedPreferences("mypref",0);

        SharedPreferences.Editor editor=pref.edit();
        editor.putString("color","#000066");
        editor.commit();
        Intent i = new Intent(getApplicationContext(),secondpage.class);
        startActivity(i);
      }
    });

    red.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
      @Override
      public void onCheckedChanged(CompoundButton compoundButton, boolean b) {
        SharedPreferences pref = getApplicationContext().getSharedPreferences("mypref",0);

        SharedPreferences.Editor editor=pref.edit();

        editor.putString("color","#FF0000");

        editor.commit();

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

Secondpage.java :

```java
package com.example.nidhi.radio;
    import android.content.SharedPreferences;
    import android.graphics.Color;
    import android.support.v7.app.AppCompatActivity;
    import android.os.Bundle;
    import android.widget.TextView;
public class secondpage extends AppCompatActivity {
  private TextView txt;
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_secondpage);
    txt = (TextView)findViewById(R.id.textView);
```

```java
        SharedPreferences pref = getApplicationContext().getSharedPreferences("mypref",0);

        SharedPreferences.Editor editor = pref.edit();
        String s = pref.getString("color",null);
        int color = Color.parseColor(s);
        txt.setTextColor(color);
    }
}
```

Style.xml :

```xml
<resources>
    <!-- Base application theme. -->
    <style name="AppTheme" parent="Base.Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>
</resources>
```

Activity_main.xml :

```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">
    <RadioGroup
        android:id="@+id/rgroup"
        android:layout_width="321dp"
        android:layout_height="300dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="20dp"
        android:layout_marginTop="74dp">
        <RadioButton
            android:id="@+id/radioButton2"
            android:layout_width="159dp"
            android:layout_height="11dp"
            android:layout_weight="1"
            android:text="Pink" />
        <RadioButton
            android:id="@+id/radioButton3"
```

```
        android:layout_width="165dp"
        android:layout_height="65dp"
        android:layout_weight="1"
        android:text="Blue" />
    <RadioButton
        android:id="@+id/radioButton4"
        android:layout_width="171dp"
        android:layout_height="66dp"
        android:layout_weight="1"
        android:text="Red" />
  </RadioGroup>
</RelativeLayout>
```

OUTPUT :

Radio	Radio
○ Pink	RK UNIVERCITY
○ Blue	
○ Red	

Radio	Radio
RK UNIVERCITY	RK UNIVERCITY