**Assignment:-8**

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| 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 :**

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) {

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 :

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*);

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 :

<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 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 :

 

 