**PROGRAM NO:6 DATE:12-10-2022**

**AIM:** Design a registration activity and store registration details in local memory of phone using intents and shared preferences.

***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:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerHorizontal="true"  
 android:id="@+id/textview"  
 android:layout\_marginTop="32dp"  
 android:text="Registration Form"  
 android:textSize="3dp" />  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textview"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your name"  
 android:id="@+id/name"  
 android:padding="10dp"  
 />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/name"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your age"  
 android:padding="10dp"  
 android:id="@+id/age"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/age"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your email id"  
 android:padding="10dp"  
 android:id="@+id/email"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/email"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your address"  
 android:padding="10dp"  
 android:id="@+id/address"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/address"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your gender"  
 android:padding="10dp"  
 android:id="@+id/gender"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/gender"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="Enter your qualification"  
 android:padding="10dp"  
 android:id="@+id/quali"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn"  
 android:layout\_below="@id/quali"  
 android:text="Submit"/>  
</RelativeLayout>

MainActivity.java

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText name, age,email,address,gender,quali;  
 Button btn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 name=findViewById(R.id.*name*);  
 age=findViewById(R.id.*age*);  
 email=findViewById(R.id.*email*);  
 address=findViewById(R.id.*address*);  
 gender=findViewById(R.id.*gender*);  
 quali=findViewById(R.id.*quali*);  
 btn=findViewById(R.id.*btn*);  
 btn.setOnClickListener(new View.OnClickListener()  
 {  
 @Override  
 public void onClick(View view){  
 Intent i= new Intent(MainActivity.this,MainActivity2.class);  
 startActivity(i);  
 }  
 });  
  
  
 }  
 @Override  
 protected void onResume(){  
 super.onResume();  
 SharedPreferences sh =getSharedPreferences("MySharedPref",*MODE\_PRIVATE*);  
  
 String s1=sh.getString("name", "");  
 int a=sh.getInt("age",0);  
 String s2=sh.getString("email","");  
 String s3=sh.getString("address","");  
 String s4=sh.getString("gender","");  
 String s5=sh.getString("quali","");  
 name.setText(s1);  
 age.setText(String.*valueOf*(a));  
 email.setText(s2);  
 address.setText(s3);  
 gender.setText(s4);  
 quali.setText(s5);  
 }  
 @Override  
 protected void onPause(){  
 SharedPreferences sharedPreferences=getSharedPreferences("MySharedPref",*MODE\_PRIVATE*);  
 SharedPreferences.Editor myEdit=sharedPreferences.edit();  
 myEdit.putString("name",name.getText().toString());  
 myEdit.putInt("age",Integer.*parseInt*(age.getText().toString()));  
 myEdit.putString("email",email.getText().toString());  
 myEdit.putString("address",address.getText().toString());  
 myEdit.putString("gender",gender.getText().toString());  
 myEdit.putString("quali",quali.getText().toString());  
 myEdit.commit();  
 }

}

**Activity2.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=".MainActivity2">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:id="@+id/textview"  
 android:layout\_centerHorizontal="true"  
 android:text="Welcome"/>

</RelativeLayout>

**MainActivity2.java**

package com.example.myapplication;  
  
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*);  
 }  
}