Experiment - 4

Aim :- To design a complete student management application using android and provide effective navigation between various activities.

Main Activity Java File

```java
package com.example.transferofdata;
import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
public class MainActivity extends Activity
{
    @Override
    protected void onCreate (Bundle savedInstancestate)
    {
        super.onCreate (savedInstancestate);
        setContentView (R.layout.activity_main);
        final EditText et = (EditText) findViewById (R.id.editText1);
        final EditText et1 = (EditText) findViewById (R.id.editText2);
        Button send = (Button) findViewById (R.id.button1);
        send.setOnClickListener (new OnClickListener()
        {
            @Override
            public void onClick (View arg0)
            {
```

```java
        String s = et.getText().toString();
        String s1 = et1.getText().toString();
        Intent it = new Intent(MainActivity.this, second.class);
        it.putExtra("uname", s);
        it.putExtra("pwd", s1);
        startActivity(it);
    }
  });
}

@Override
public boolean onCreateOptionsMenu(Menu menu)
{
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
}
```

SecondActivity.Java

```java
package com.example.transferofdata;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.widget.TextView;
public class second extends Activity
{

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
        TextView tv = (TextView)findViewById(R.id.textView1);
```

```java
TextView tv1 = (TextView)findViewById(R.id.textView2);
tv.setText(getIntent().getExtras().getString("uname"));
tv1.setText(getIntent().getExtras().getString("pwd"));
}

@Override
public boolean onCreateOptionsMenu(Menu menu)
{
    getMenuInflater().inflate(R.menu.second, menu);
    return true;
}
}
```

MainActivity.xml

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingBottom="@dimen/activity_vertical_margin"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
tools:context=".MainActivity" >
<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_marginLeft="78dp"
android:layout_marginTop="154dp"
```

```
android:text = "send" />
<EditText
android:id = "@+id/editText1"
android:layout_width = "wrap_content"
android:layout_height = "wrap_content"
android:layout_alignParentTop = "true"
android:layout_alignRight = "@+id/button1"
android:layout_marginTop = "18dp"
android:ems = "10"><requestFocus/></EditText>
<EditText
android:id = "@+id/editText2"
android:layout_width = "wrap_content"
android:layout_height = "wrap_content"
android:layout_alignRight = "@+id/button1"
android:layout_below = "@+id/editText1"
android:layout_marginTop = "37dp"
android:ems = "10"
android:inputType = "textPassword" /></RelativeLayout>
```

SecondActivity.xml

```
<RelativeLayout xmlns:android = "http://schemas.android.com/apk/res/
                                                         android"

xmlns:tools = "http://schemas.android.com/tools"
android:layout_width = "match_parent"
android:layout_height = "match_parent"
android:paddingBottom = "@dimen/activity_vertical_margin"
android:paddingLeft = "@dimen/activity_horizontal_margin"
android:paddingRight = "@dimen/activity_horizontal_margin"
android:paddingTop = "@dimen/activity_vertical_margin"
tools:context = ".Second" >
```

```xml
<TextView
android:id = " @+id/textView1 "
android:layout_width = "wrap_content"
android:layout_height = "wrap_content"
android:layout_alignParentLeft = "true"
android:layout_alignParentTop = "true"
android:layout_marginLeft ="42dp"
android:layout_marginTop = "70dp"
android:text = "uname"/>
<TextView
android:id = "@+id/textView2"
android:layout_width = "wrap_content"
android:layout_height = "wrap_content"
android:layout_alignLeft = "@+id/textView1"
android:layout_below = "@+id/textView1"
android:layout_marginLeft = "15dp"
android:layout_marginTop = "37dp"
android:text = "password"/>
</RelativeLayout>
```

output :-

◯5554:n — □ ✕	**Basic Controls**
ᵡ⚠ 🔋 6:52	
⬡ Intent ⋮	**Hardware Buttons**
name ⌐Raja¬	
place ⌐Delhi¬	**DPAD not enabled in AVD**
[click]	
	Hardware Keyboard
	Use your physical
	keyboard to provide
	input.

◯5554:n — □ ✕	**Basic Controls**
ᵡ⚠ 🔋 6:53	
⬡ Second	**Hardware Buttons**
Raja	
Delhi	**DPAD not enabled in AVD**
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