```
ACTIVITY MAIN
```

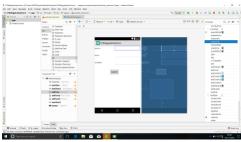
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/Textview"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout marginBottom="141dp"
        android:text="Hello World!" />
</RelativeLayout>
MAINACTIVITY
package com.example.user.a1st;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    }
```

OUTPUT



Assignment No 2:- Android Form Based Application to Create Registration Form for Student with Field (RollNo, StudentName and MobileNo) and on button click display all the entered information On TextView.

ACTIVITY_MAIN DESIGN



```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout
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">
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignBaseline="@+id/editText"
        android:layout alignParentStart="true"
        android:text="Roll No:" />
    <TextView
        android:id="@+id/textView"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout marginTop="69dp"
        android:text="Name:" />
    <TextView
        android:id="@+id/textView2"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout marginTop="131dp"
        android:text="MobileNo:" />
    <EditText
        android:id="@+id/editText"
        android:layout width="wrap content"
        android: layout height="wrap content"
```

```
android:layout alignParentEnd="true"
    android: ems="10"
    android:inputType="number"
    android:password="false" />
<EditText
    android:id="@+id/editText2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout alignBaseline="@+id/textView"
    android:layout alignParentEnd="true"
    android:ems="10"
    android:inputType="textPersonName" />
<EditText
    android:id="@+id/editText3"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout alignBaseline="@+id/textView2"
    android:layout alignParentEnd="true"
    android:ems="10"
    android:inputType="phone" />
<TextView
    android:id="@+id/textView3"
    android:layout width="193dp"
    android:layout height="163dp"
    android:layout alignParentBottom="true"
    android:layout alignParentStart="true"
    android:layout marginBottom="74dp"
    android:layout marginStart="75dp" />
<Button
    android:id="@+id/button"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout alignParentStart="true"
    android:layout alignParentTop="true"
    android:layout marginStart="127dp"
    android:layout marginTop="194dp"
    android:text="Submit" />
```

</RelativeLayout>

MAIN ACTIVITY

```
package com.example.user.a27thregistrationform;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    String r,n,m;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        final EditText rno = findViewById(R.id.editText);
        final EditText name = findViewById(R.id.editText2);
        final EditText mno = findViewById(R.id.editText3);
        final Button btn = findViewById(R.id.button);
        final TextView txt = findViewById(R.id.textView3);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                r = rno.getText().toString();
                n = name.getText().toString();
                m = mno.getText().toString();
                txt.setText("Rollno: "+r+"\nName: "+n+"\nMobile No: "+m);
            }
        });
    }
OUTPUT
```



Assignment No 3:-Android Form Based Application to Create Registration Form for Student With Field(UserName and Password) and on button click validate it with your name if its valid show "Valid Credential" otherwise show "Wrong Credential" on Toast.

ACTIVITY_MAIN

```
DESIGN
```

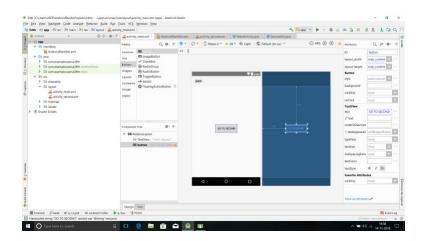
```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView1"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignBaseline="@+id/editText"
        android:layout alignStart="@+id/textView2"
        android:text="USERNAME"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintHorizontal bias="0.1"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical bias="0.13" />
    <EditText
        android:id="@+id/editText"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentEnd="true"
        android:layout alignParentTop="true"
        android:layout marginEnd="33dp"
        android:layout marginTop="91dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text="Name"
        tools:layout editor absoluteX="162dp"
        tools:layout editor absoluteY="47dp" />
```

```
<EditText
        android:id="@+id/editText2"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentTop="true"
        android:layout alignStart="@+id/editText"
        android:layout marginTop="150dp"
        android: ems="10"
        android:inputType="textPassword"
        android:text="Name"
        tools:layout editor absoluteX="153dp"
        tools:layout editor absoluteY="139dp" />
    <TextView
        android:id="@+id/textView2"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignBaseline="@+id/editText2"
        android:layout alignParentStart="true"
        android:layout marginStart="25dp"
        android:text="PASSWORD"
        tools:layout editor absoluteX="31dp"
        tools:layout editor absoluteY="147dp" />
    <Button
        android:id="@+id/button"
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:layout alignParentBottom="true"
        android:layout alignParentStart="true"
        android:layout marginBottom="189dp"
        android:layout marginStart="117dp"
        android: text="Button"
        tools:layout editor absoluteX="134dp"
        tools:layout editor absoluteY="304dp" />
</RelativeLayout>
MAIN ACTIVITY
package com.example.user.a31th;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
```

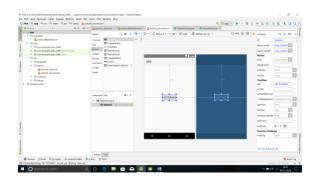
```
protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        final Button btn=findViewById(R.id.button);
        final EditText el=findViewById(R.id.editText);
        final EditText e2=findViewById(R.id.editText2);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String ID, PASS;
                ID = e1.getText().toString();
                PASS = e2.getText().toString();
                if(ID.equals("IMRD")&& PASS.equals("12345"))
                    Toast.makeText (MainActivity.this, "valid
Credential", Toast. LENGTH SHORT).show();
                }
                else
                {
                    Toast.makeText(MainActivity.this," WRONG
Credetial", Toast.LENGTH_LONG) .show();
            }
        });
    }
}
```

Assignment No 4:- Android program to use Android **Explicit Intent** that **calls one activity from another and vice versa**.

ACTIVITY_MAIN DESIGN



```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout
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">
    <TextView
        android:layout width="wrap content"
        android:layout height="0dp"
        android:text="Hello World!"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout_constraintTop toTopOf="parent" />
    <Button
        android:id="@+id/button"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout marginStart="132dp"
        android:layout marginTop="214dp"
        android:text="GO TO SECOND" />
</RelativeLayout>
```



```
<?xml version="1.0" encoding="utf-8"?>
<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">
    <Button
        android:id="@+id/button2"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout alignParentTop="true"
        android:layout centerHorizontal="true"
        android:layout marginTop="220dp"
        android:text="GO TO MAIN"
        tools:layout editor absoluteX="132dp"
        tools:layout editor absoluteY="221dp" />
</RelativeLayout>
ANDROID.MANIFEST
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   package="com.example.user.a34th">
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic launcher"
        android:label="@string/app name"
        android:roundIcon="@mipmap/ic launcher round"
        android: supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"</pre>
/>
            </intent-filter>
        </activity>
    <activity android:name=".SecondAct">
```

```
</activity>
    </application>
</manifest>
MAIN ACTIVITY JAVA
package com.example.user.a34th;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        final Button btn=findViewById(R.id.button);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(MainActivity.this, SecondAct.class);
                startActivity(i);
        });
    }
}
SECOND_ACT.JAVA
package com.example.user.a34th;
import android.content.Intent;
import android.os.Bundle;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
public class SecondAct extends AppCompatActivity {
    @Override
    protected void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity second);
```

```
Button btn = findViewById(R.id.button2);

btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
    Intent i = new Intent(SecondAct.this,MainActivity.class);
    startActivity(i);
    }
});
```

ACTIVITY_MAIN.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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">
    <LinearLayout</pre>
        android:layout width="match parent"
        android: layout height="match parent"
        android:orientation="vertical">
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b1"
            android:text="Button 1"
        </Button>
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b2"
            android:text="Button 1\2"
        </Button>
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b3"
            android:text="Button 3"
        </Button>
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b4"
            android:text="Button 4"
        </Button><Button
        android:layout_width="match_parent"
        android:layout height="match parent"
        android:id="@+id/b5"
        android:text="Button 5"
    </Button>
        <Button
            android:layout width="match parent"
```

```
android:layout_height="match_parent"
            android:id="@+id/b6"
            android:text="Button 6"
        </Button><Button
        android:layout width="match parent"
        android:layout_height="match parent"
        android:id="@+id/b7"
        android:text="Button 7"
    </Button>
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b8"
            android:text="Button 8"
        </Button><Button
        android:layout width="match parent"
        android:layout height="match parent"
        android:id="@+id/b9"
        android:text="Button 9"
    </Button>
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b10"
            android:text="Button 10"
        </Button><Button
        android:layout width="match parent"
        android:layout height="match parent"
        android: id="@+id/b11"
        android:text="Button 11"
    </Button>
        <Button
            android:layout width="match parent"
            android:layout height="match parent"
            android:id="@+id/b12"
            android:text="Button 12"
        </Button>
    </LinearLayout>
</RelativeLayout>
```