Assignment No 1: Create "Hello Word" Application.

**ACTIVITY\_MAIN**

<?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">

<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>

**MAIN\_ACTIVITY**

package com.example.user.alst;

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 { }

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

**ACTIVITY\_MAIN**

<? xml version="1.0" encoding="utf-8"?>

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

<RelativeLayout

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" />

android:id="@+id/editText2"

android:layout\_width="wrap\_content" android:layout\_height="wrap content"

<EditText

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**

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);

}

});

}

}

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**

<?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">

<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"

1:layout\_height="wrap\_conte

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.a3ith;

import android.support.v7.app.AppCompatActivity:

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

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);

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**

<?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">

<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>

**SECOND\_ACTIVITY.XML**

<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" 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">

<action android:name="android.intent.action.MAIN" />

<intent-filter>

<category android:name="android.intent.category.LAUNCHER />

</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);

}

});

}