MAR THOMA INSTITUTE OF INFORMATION TECHNOLOGY

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(Affiliated to the University of Kerala & Approved by the AICTE)

DEPARTMENT OF COMPUTER APPLICATIONS

Bonafide record of work done by ………………………………………………………..

(Reg.No……………………………..) in the..Lab of

Mar Thoma Institute of Information Technology, Ayur during the year…………………....

Staff in charge   **Head of the Department**

Submitted for the MCA Degree Practical Examination held at Mar Thoma Institute of

Information Technology, Ayur on…………………………………………

Internal Examiner   **External Examiner**

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<div align="center">

Program No: 1

ANDROID ACTIVITY LIFECYCLE

</div>

AIM:

To develop a simple android application to demonstrate android activity lifecycle

PROGRAM:

activitymain.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="com.example.lifecycle.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="65dp"
        android:text="Welcome" />

</RelativeLayout>
```

MainActivity.java

```java
package com.example.lifecycle;


import android.app.Activity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;


public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(MainActivity.this,"On
Create",Toast.LENGTH_LONG).show();
    }
    public void onStart()
        { super.onStart();
        Toast.makeText(MainActivity.this,"On
Start",Toast.LENGTH_LONG).show();
    }
    public void onPause()
        { super.onStart();
        Toast.makeText(MainActivity.this,"On
Pause",Toast.LENGTH_LONG).show();
    }
    public void onResume()
        { super.onResume();
        Toast.makeText(MainActivity.this,"On
Resume",Toast.LENGTH_LONG).show();
    }
```

```
    public void onStop()
            { super.onStop();
            Toast.makeText(MainActivity.this,"On
Stop",Toast.LENGTH_LONG).show();
        }
    public void onDestroy()
            { super.onDestroy();
            Toast.makeText(MainActivity.this,"On
Destroy",Toast.LENGTH_LONG).show();
        }
    public void onRestart()
            { super.onRestart();
            Toast.makeText(MainActivity.this,"On
Restart",Toast.LENGTH_LONG).show();
        }
    public boolean onCreateOptionsMenu(Menu menu) {
            //Inflate the menu; this adds items to the action bar if
it is present.
            getMenuInflater().inflate(R.menu.main,menu);
            return true;
        }
}
```

OUTPUT:

<div align="center">

Program No: 2

CHANGE COLOR AND FONT OF TEXT

</div>

AIM:

To develop a simple android application that uses GUI components, color and font.

PROGRAM:

activity_main.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="com.example.fontcolor.MainActivity" >

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="34dp"
        android:text="Welcome"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <Button
        android:id="@+id/b1"
```

```xml
        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/t1"

        android:layout_marginTop="45dp"

        android:layout_toLeftOf="@+id/t1"

        android:text="Change font size" />


    <Button

        android:id="@+id/b2"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBottom="@+id/b1"

        android:layout_toRightOf="@+id/t1"

        android:text="Change font color" />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.fontcolor;


import android.app.Activity;

import android.graphics.Color;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity

     { Button b1,b2;
```

```java
TextView t1;

int ch=1;

float font=30;

protected void onCreate(Bundle savedInstanceState)
    { super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    t1=(TextView)findViewById(R.id.t1);
    b1=(Button)findViewById(R.id.b1);
    b2=(Button)findViewById(R.id.b2);
    b1.setOnClickListener(new View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            t1.setTextSize(font);
            font+=5;
            if(font==50) {
                    font=30;
            }
        }
    });
    b2.setOnClickListener(new View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            switch(ch) {
            case 1:t1.setTextColor(Color.RED);
            break;
            case 2:t1.setTextColor(Color.GREEN);
            break;
            case 3:t1.setTextColor(Color.YELLOW);
            break;
```
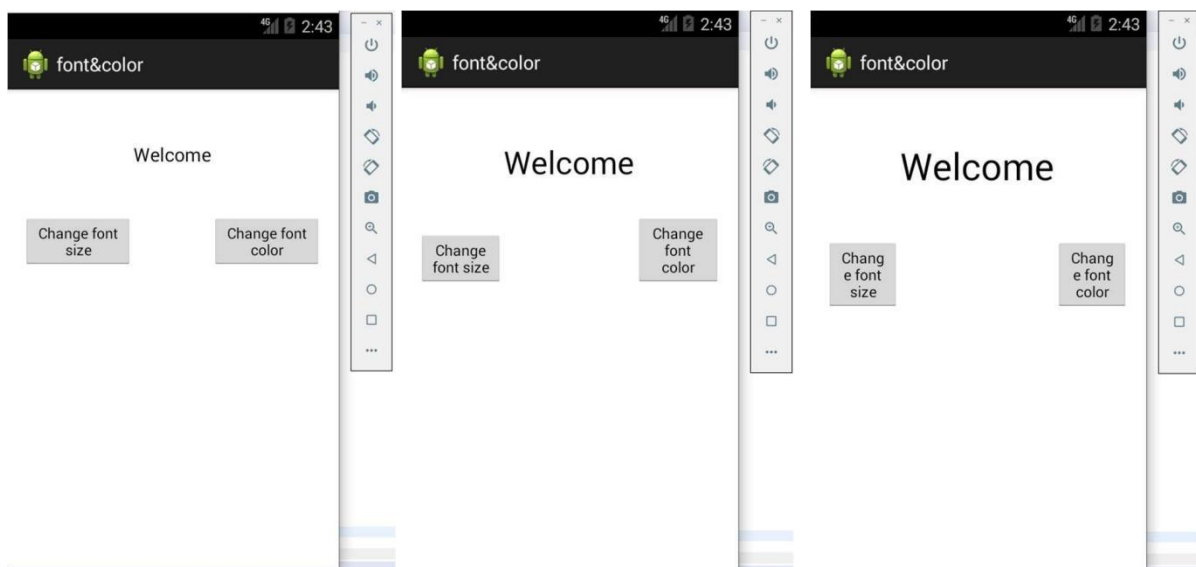
```
                    case 4:t1.setTextColor(Color.BLUE);

                    break;

                    case 5:t1.setTextColor(Color.BLACK);

                    break;

                    case 6:t1.setTextColor(Color.MAGENTA);

                    break;

                    case 7:t1.setTextColor(Color.CYAN);

                    break;

                    }
                    ch++;

                    if(ch==8) {

                         ch=1;

                    }

               }

          });

     }


}
```
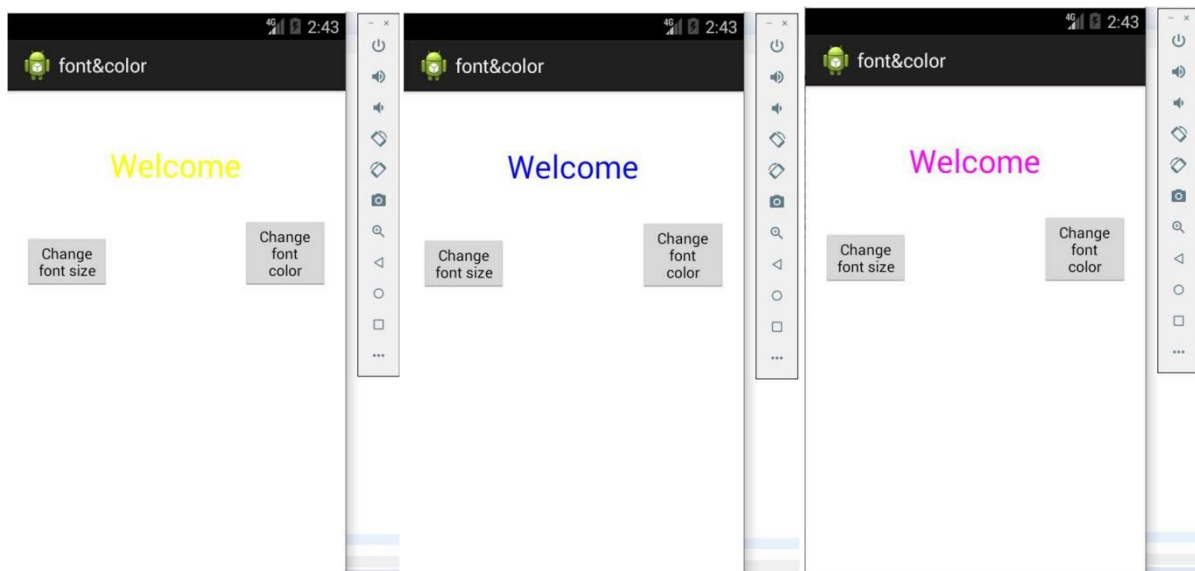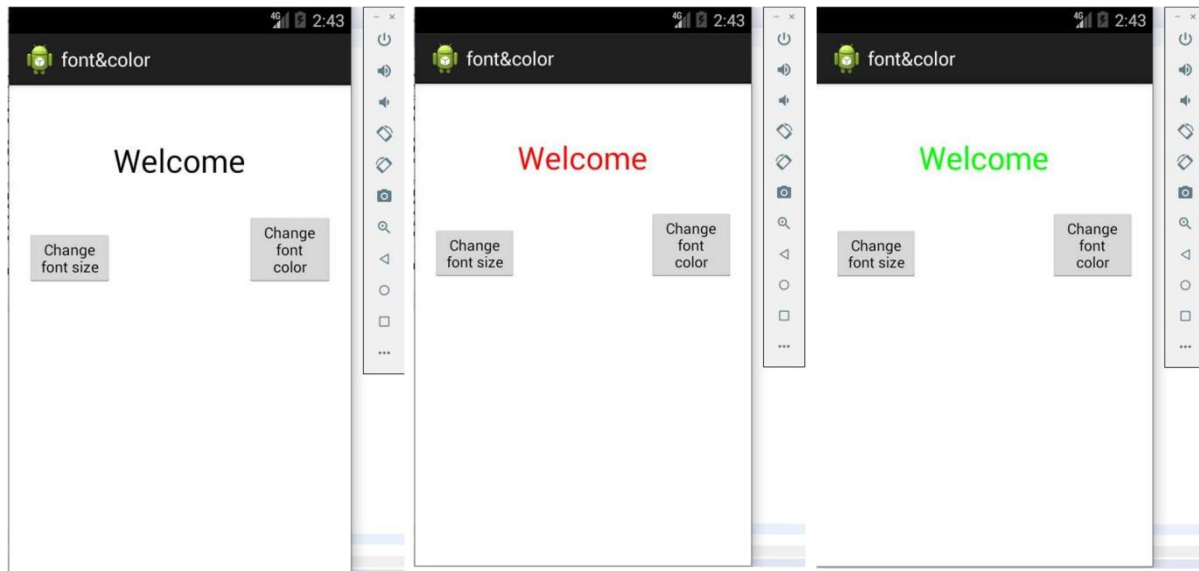
OUTPUT

Program No: 3

PRIME OR NOT

AIM:

To develop a simple android application that checks whether a number is prime or not.

PROGRAM:

activitymain.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="com.example.prime.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="20dp"
        android:text="Prime or Not"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <EditText
        android:id="@+id/e1"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignParentRight="true"

        android:ems="10"

        android:width="150dp" />


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/textView1"

        android:layout_marginTop="53dp"

        android:text="Enter Number : " />


    <Button

        android:id="@+id/b1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/e1"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="46dp"

        android:text="CHECK" />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.prime;


import android.app.Activity;

import android.os.Bundle;

import android.view.View;
```

```java
import android.widget.*;


public class MainActivity extends Activity
    { Button b1;
    EditText e1;
    protected void onCreate(Bundle savedInstanceState)
            { super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            b1=(Button)findViewById(R.id.b1);
            e1=(EditText)findViewById(R.id.e1);
            b1.setOnClickListener(new View.OnClickListener() {


                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        int f=0;
                        Double
n=Double.parseDouble(e1.getText().toString());
                        if(n==0||n==1)
                                Toast.makeText(getApplicationContext(),
"Neither Prime nor Composite",Toast.LENGTH_LONG).show();
                        else {
                                for(int i=2;i<=n/2;i++)
                                        { if(n%i==0)
                                                f=1;
                                }
                        }
                        if(f==0)
                                Toast.makeText(getApplicationContext(),
"Prime",Toast.LENGTH_LONG).show();
                        else
                                Toast.makeText(getApplicationContext(),
"Not Prime",Toast.LENGTH_LONG).show();
```

```
            }
        });
    }
}
```

OUTPUT
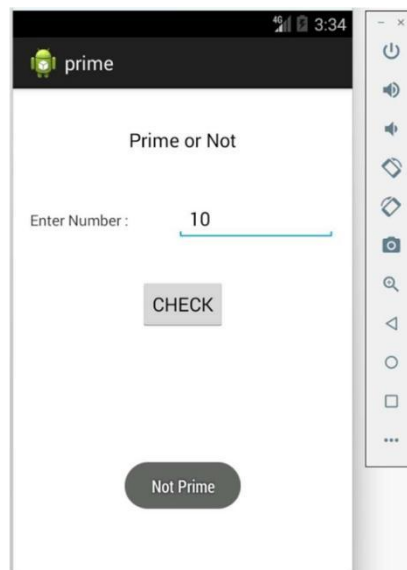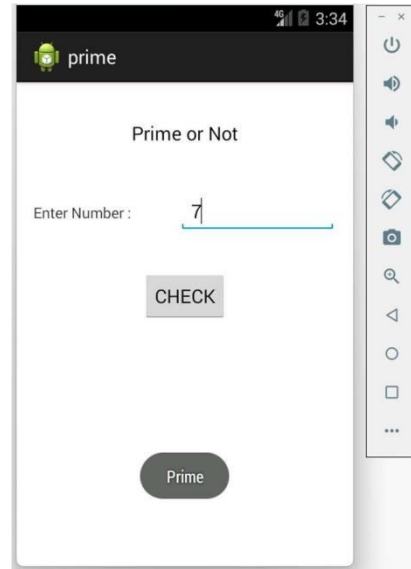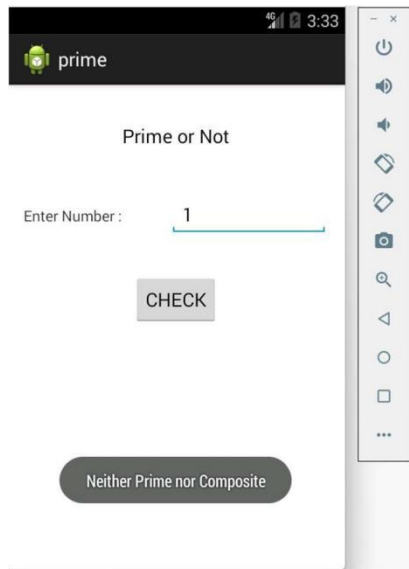
<div align="center">**Program No: 4**</div>

<div align="center">**SIMPLE CALCULATOR**</div>

AIM:

To develop a simple android calculator application.

PROGRAM:

activitymain.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="com.example.calculator.MainActivity" >

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="28dp"
        android:text="CALCULATOR"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <TextView
        android:id="@+id/t2"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_below="@+id/t1"

        android:layout_marginRight="16dp"

        android:layout_marginTop="60dp"

        android:layout_toLeftOf="@+id/t1"

        android:text="1st No." />


    <EditText

        android:id="@+id/e1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/t2"

        android:layout_alignBottom="@+id/t2"

        android:layout_toRightOf="@+id/t2"

        android:ems="10"

        android:inputType="number" />


    <TextView

        android:id="@+id/t3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignRight="@+id/t2"

        android:layout_below="@+id/e1"

        android:layout_marginTop="17dp"

        android:text="2 nd No" />


    <EditText

        android:id="@+id/e2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/e1"

        android:layout_toRightOf="@+id/t2"

        android:ems="10"
```

```
    android:inputType="number"  >


    <requestFocus />
</EditText>


<Button
    android:id="@+id/button4"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerVertical="true"
    android:layout_toRightOf="@+id/button3"
    android:onClick="Div"
    android:text="/" />


<Button
    android:id="@+id/button5"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/button2"
    android:layout_centerHorizontal="true"
    android:onClick="Reset"
    android:text="CLEAR" />


<Button
    android:id="@+id/button2"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerVertical="true"
    android:layout_toRightOf="@+id/t2"
    android:onClick="Sub"
```

```
        android:text="-"  />


    <Button
        android:id="@+id/button3"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@+id/button5"
        android:layout_toRightOf="@+id/button2"
        android:onClick="Mul"
        android:text="*"  />


    <Button
        android:id="@+id/button1"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@+id/button5"
        android:layout_toLeftOf="@+id/button2"
        android:onClick="Add"
        android:text="+"  />


    <TextView
        android:id="@+id/tres"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/button3"
        android:layout_below="@+id/button5"
        android:layout_marginTop="37dp"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>


</RelativeLayout>
```

MainActivity.java

```java
package com.example.calculator;


import android.app.Activity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity {


    EditText e1,e2;

    TextView tres;

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        e1=(EditText)findViewById(R.id.e1);

        e2=(EditText)findViewById(R.id.e2);

        tres=(TextView)findViewById(R.id.tres);

    }


    public void Add(View v) {

        Double num1=Double.parseDouble(e1.getText().toString());

        Double num2=Double.parseDouble(e2.getText().toString());

        Double s=(num1+num2);

        tres.setText(num1+"+"+num2+"="+s.toString());

    }

    public void Sub(View v) {

        Double   num1=Double.parseDouble(e1.getText().toString());

        Double   num2=Double.parseDouble(e2.getText().toString());

        Double s=(num1-num2);

        tres.setText(num1+"-"+num2+"="+s.toString());
```

```java
    }
    public void Mul(View v) {
            Double num1=Double.parseDouble(e1.getText().toString());
            Double num2=Double.parseDouble(e2.getText().toString());
            Double s=(num1*num2);
            tres.setText(num1+"*"+num2+"="+s.toString());
    }
    public void Div(View v) {
            Double num1=Double.parseDouble(e1.getText().toString());
            Double num2=Double.parseDouble(e2.getText().toString());
            Double s=(num1/num2);
            tres.setText(num1+"/"+num2+"="+s.toString());
    }
    public void Reset(View v)
            { tres.setText("");
    }
}
```

OUTPUT
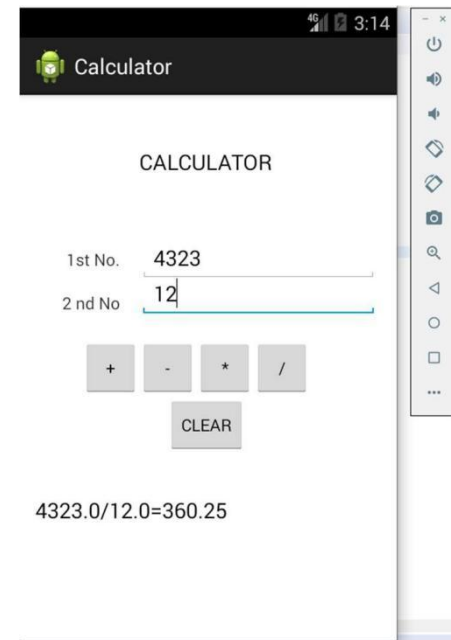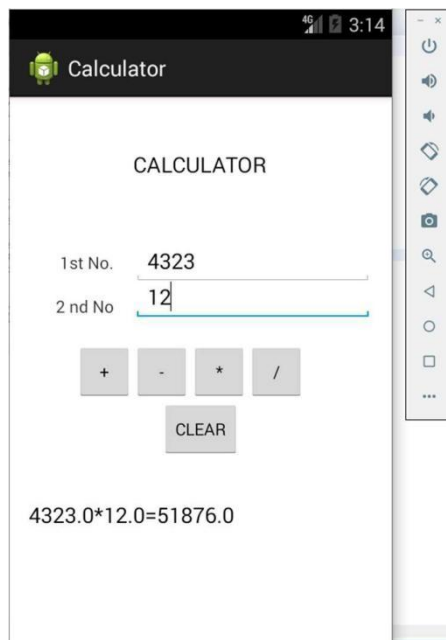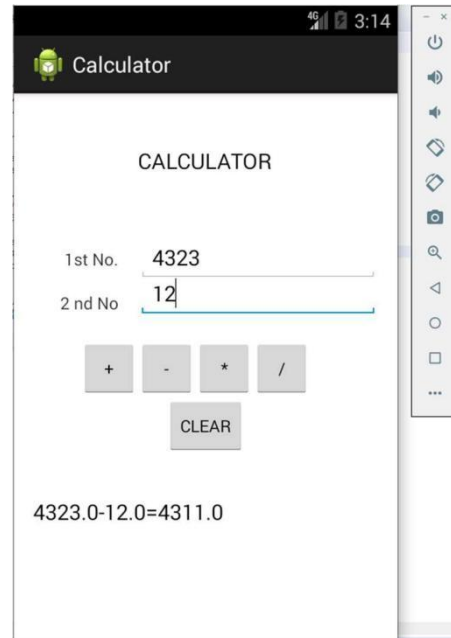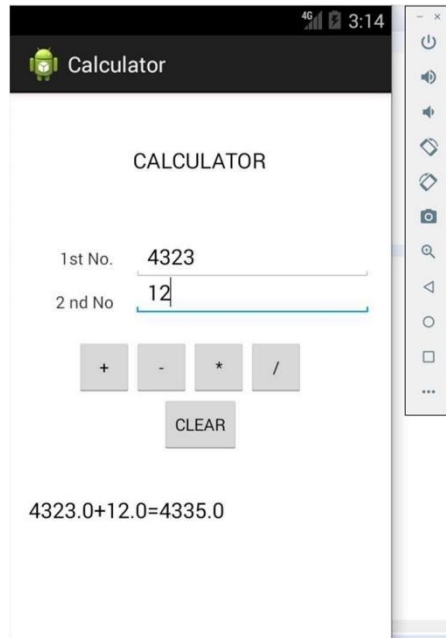
Program No: 5

ACTIVITY NAVIGATION

AIM:

To develop a simple android application to demonstrate Activity Navigation.

PROGRAM:

activitymain.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="com.example.nav.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="24dp"
        android:text="Main Activity"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="96dp"
        android:text="Click" />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.nav;


import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;


public class MainActivity extends Activity {

    Button b1;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button)findViewById(R.id.b1);
        b1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
```

```
                              Intent i=new
Intent(MainActivity.this,Second.class);
                              startActivity(i);
                 }
          });
      }
}
```

second_activity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="100dp"
        android:text="Second Activity"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

</RelativeLayout>
```

SecondActivity.java

```java
package com.example.nav;


import android.app.Activity;

import android.os.Bundle;


public class Second extends Activity{
      protected void onCreate(Bundle savedInstanceState)
            { super.onCreate(savedInstanceState);
            setContentView(R.layout.second);
      }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.nav"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="21" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
```

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


            <category
android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
    <activity  android:name="com.example.nav.Second"></activity>
</application>


</manifest>
```

OUTPUT
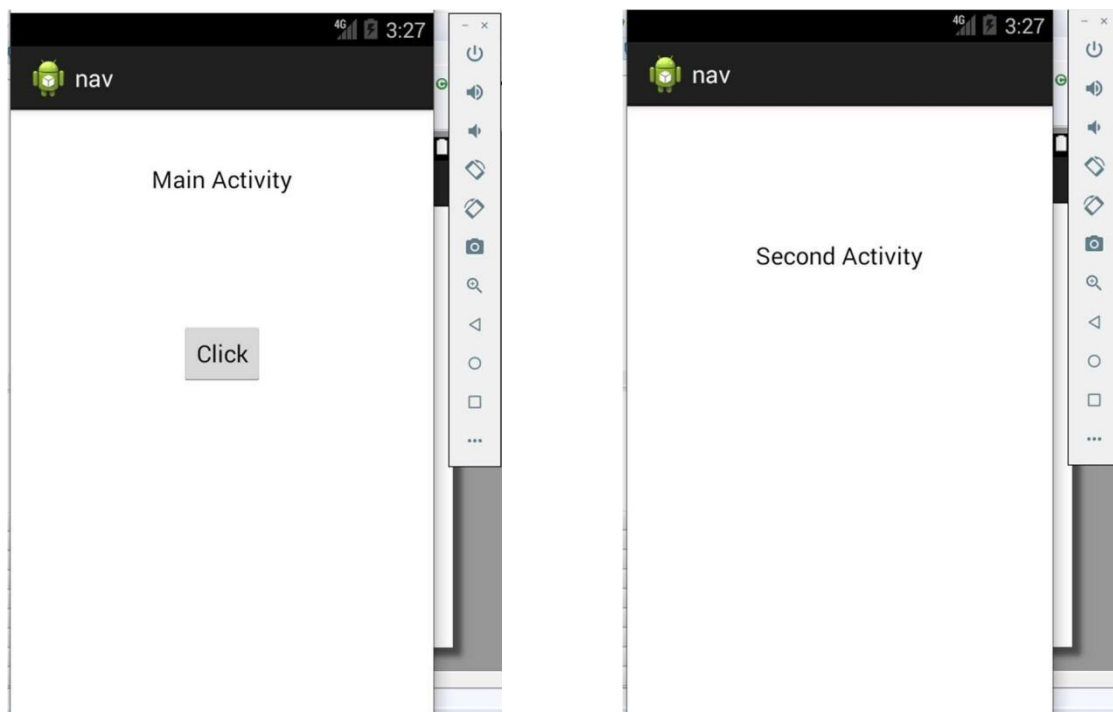
Program No: 6

ACTIVITY NAVIGATION WITH DATA PASSING

AIM:

To develop a simple android application to demonstrate explicit intents to pass data to another activity.

PROGRAM:

activitymain.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="com.example.nav2.MainActivity" >

    <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="16dp"
        android:layout_marginTop="44dp"
        android:text="Name" />

    <EditText
        android:id="@+id/e1"
        android:layout_width="wrap_content"
```

```xml
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView1"
        android:layout_alignBottom="@+id/textView1"
        android:layout_alignParentRight="true"
        android:layout_marginRight="14dp"
        android:ems="10"
        android:width="150dp"  >

        <requestFocus />
    </EditText>

    <TextView
        android:id="@+id/ts1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView1"
        android:layout_below="@+id/e1"
        android:layout_marginTop="32dp"
        android:text="Reg_no" />

    <EditText
        android:id="@+id/e2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/ts1"
        android:layout_alignBottom="@+id/ts1"
        android:layout_alignLeft="@+id/e1"
        android:ems="10"
        android:width="150dp"  />

    <LinearLayout
        android:id="@+id/linearLayout1"
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/ts1"

        android:layout_alignRight="@+id/e2"

        android:layout_below="@+id/e2"

        android:layout_marginTop="38dp" >


        <TextView

            android:id="@+id/textView3"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Dept" />


        <Spinner

            android:id="@+id/s1"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_weight="1" />

    </LinearLayout>


    <Button

        android:id="@+id/b1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/linearLayout1"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="22dp"

        android:text="Submit" />


</RelativeLayout>
```

MainActivity.java

```
package com.example.nav2;
```

```java
import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;

import android.widget.ArrayAdapter;


public class MainActivity extends Activity {


    EditText e1,e2;

    Button b1;

    Spinner s1;

    String[] dept= {"MCA","MBA","MSc","Mcom","MA"};

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        e1=(EditText)findViewById(R.id.e1);

        e2=(EditText)findViewById(R.id.e2);

        b1=(Button)findViewById(R.id.b1);

        s1=(Spinner)findViewById(R.id.s1);

        @SuppressWarnings("unchecked")

        ArrayAdapter adpt=new

ArrayAdapter(MainActivity.this,android.R.layout.simple_spinner_item,

dept);

        s1.setAdapter(adpt);

        b1.setOnClickListener(new View.OnClickListener() {


            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

                String name,roll,dep;

                name=e1.getText().toString();

                roll=e2.getText().toString();
```

```
                                dep=s1.getSelectedItem().toString();
                                Intent i1=new
Intent(MainActivity.this,Second.class);
                                i1.putExtra("n",name);
                                i1.putExtra("r",roll);
                                i1.putExtra("d",dep);
                                startActivity(i1);
                    }
            });
        }
}
```

second_activity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="76dp"
        android:text="Welcome"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>
```

```xml
<TextView
    android:id="@+id/ts1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textView1"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="24dp" />


</RelativeLayout>
```

SecondActivity.java

```java
package com.example.nav2;


import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;


public class Second extends
    Activity{ TextView ts1;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.second);
        ts1=(TextView)findViewById(R.id.ts1);
        Intent i1=getIntent();
        String name=i1.getStringExtra("n");
        String roll=i1.getStringExtra("r");
        String dep=i1.getStringExtra("d");
        ts1.setText("Name : "+name+
                "\n\nReg No. : "+roll+
                "\n\nDept : "+dep);
    }}
```
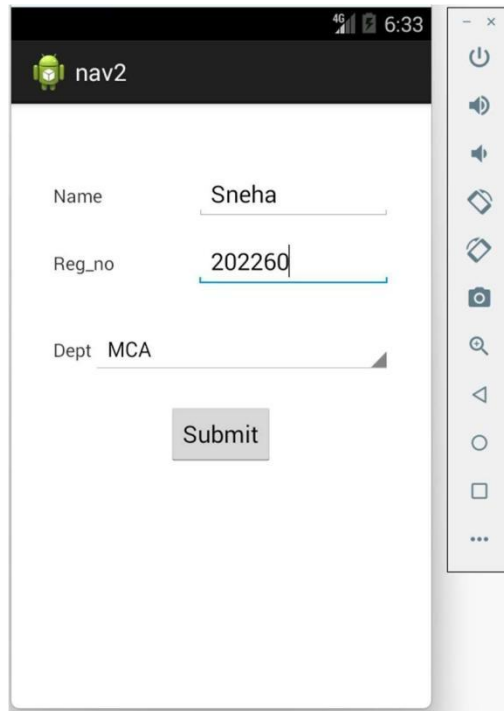
AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.nav2"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="19" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
        android:name="com.example.nav2.Second"></activity>
    </application>
</manifest>
```

 OUTPUT

Program No: 7

ANDROID APPLICATION WITH ANIMATION

AIM:

To develop a simple android application to demonstrate animation.

PROGRAM:

activitymain.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="com.example.anim.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="17dp"
        android:text="ANIMATION"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <ImageView
        android:id="@+id/img"
        android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"

    android:layout_below="@+id/textView1"

    android:layout_centerHorizontal="true"

    android:layout_marginTop="24dp"

    android:src="@drawable/ic_launcher" />


<Button

    android:id="@+id/b5"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_above="@+id/b6"

    android:layout_alignLeft="@+id/b4"

    android:onClick="Move"

    android:text="MOVE" />


<Button

    android:id="@+id/b4"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_above="@+id/b5"

    android:layout_alignLeft="@+id/b3"

    android:onClick="Fade"

    android:text="FADE" />


<Button

    android:id="@+id/b3"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_above="@+id/b4"

    android:layout_alignLeft="@+id/b2"

    android:onClick="Blink"

    android:text="BLINK" />
```

```xml
<Button
    android:id="@+id/b2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_above="@+id/b3"
    android:layout_alignLeft="@+id/b1"
    android:onClick="Clockwise"
    android:text="CLOCKWISE" />

<Button
    android:id="@+id/b1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_above="@+id/b2"
    android:layout_centerHorizontal="true"
    android:onClick="Zoom"
    android:text="ZOOM" />

<Button
    android:id="@+id/b6"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/b5"
    android:layout_alignParentBottom="true"
    android:onClick="Slide"
    android:text="SLIDE" />

</RelativeLayout>
```

MainActivity.java

```java
package com.example.anim;
```

```java
import android.app.Activity;

import android.os.Bundle;

import android.view.View;

import android.view.animation.Animation;

import android.view.animation.AnimationUtils;

import android.widget.*;


public class MainActivity extends Activity {


    ImageView img;
    protected void onCreate(Bundle savedInstanceState)
            { super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            img=(ImageView)findViewById(R.id.img);
    }
    public void Zoom(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.zoom);
            img.startAnimation(anim);
    }
    public void Clockwise(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.clockwise);
            img.startAnimation(anim);
    }
    public void Fade(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.fade);
            img.startAnimation(anim);
    }
```

```java
        public void Blink(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.blink);
            img.startAnimation(anim);
        }
        public void Move(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.move);
            img.startAnimation(anim);
        }
        public void Slide(View view) {
            Animation
anim=AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.slide);
            img.startAnimation(anim);
        }
}
```

res/anim/zoom.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<set  xmlns:android="http://schemas.android.com/apk/res/android">
    <scale
        android:fromXScale="0.5"
        android:toXScale="3.0"
        android:fromYScale="0.5"
        android:toYScale="3.0"
        android:duration="5000"
        android:pivotX="50%"
        android:pivotY="50%"
        >
```

```
        </scale>
        <scale
            android:startOffset="5000"
            android:fromXScale="3.0"
            android:toXScale="0.5"
            android:fromYScale="3.0"
            android:toYScale="0.5"
            android:duration="5000"
            android:pivotX="50%"
            android:pivotY="50%"
            >
        </scale>
</set>
```

res/anim/clockwise.xml

```
<?xml version="1.0" encoding="utf-8"?>
<set  xmlns:android="http://schemas.android.com/apk/res/android">
    <rotate
        android:fromDegrees="0"
        android:toDegrees="360"
        android:pivotX="50%"
        android:pivotY="50%"
        android:duration="5000"
        >
    </rotate>
    <rotate
        android:startOffset="5000"
        android:fromDegrees="360"
        android:toDegrees="0"
        android:pivotX="50%"
        android:pivotY="50%"
        android:duration="5000"
```

```
        >

    </rotate>

</set>
```

res/anim/fade.xml

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

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

    <alpha

        android:fromAlpha="0"

        android:toAlpha="1"

        android:duration="2000"

         >

    </alpha>

    <alpha

        android:startOffset="2000"

        android:fromAlpha="1"

        android:toAlpha="0"

        android:duration="2000"

         >

    </alpha>

</set>
```

res/anim/move.xml

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

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

    <translate

        android:fromXDelta="0%p"

        android:toXDelta="75%p"

        android:duration="800"

        />

</set>
```

res/anim/slide.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<set  xmlns:android="http://schemas.android.com/apk/res/android">
    <scale
        android:duration="500"
        android:fromXScale="1.0"
        android:fromYScale="1.0"
        android:interpolator="@android:anim/linear_interpolator"
        android:toXScale="1.0"
        android:toYScale="0.0"
        >
    </scale>

</set>
```

res/anim/blink.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<set  xmlns:android="http://schemas.android.com/apk/res/android">
    <alpha
        android:fromAlpha="0.0"
        android:toAlpha="1.0"
        android:interpolator="@android:anim/accelerate_interpolator"
        android:duration="600"
        android:repeatMode="reverse"
        android:repeatCount="infinite"
        ></alpha>
</set>
```

OUTPUT
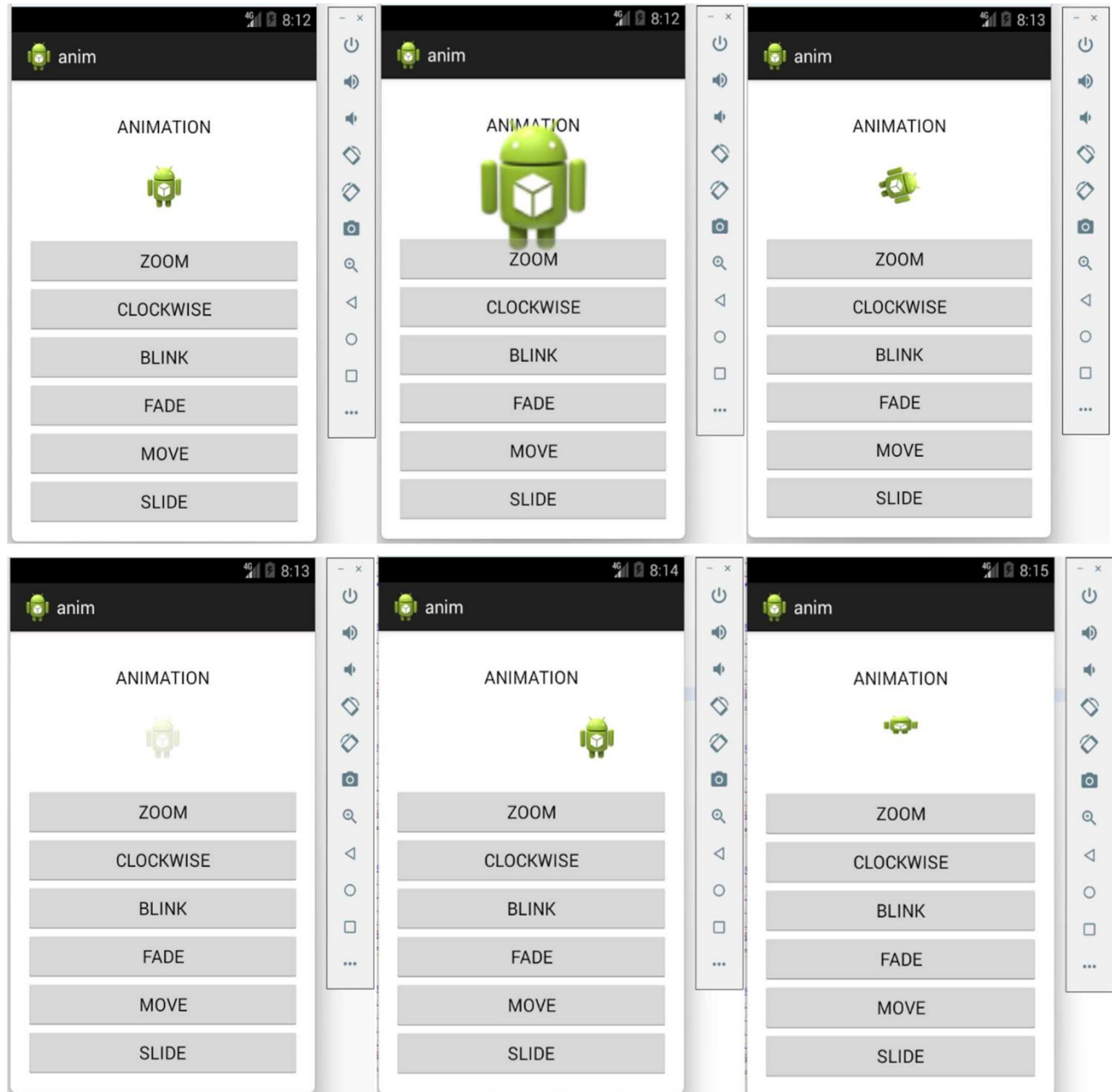
Program No: 8

PROGRESS BAR

AIM:

To develop a simple android application to implement progress bar.

PROGRAM:

activitymain.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="com.example.progress.MainActivity" >

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="88dp"
        android:text="DOWNLOAD"
        android:onClick="download"
        />

</RelativeLayout>
```

MainActivity.java

```java
package com.example.progress;


import android.app.Activity;
import android.app.ProgressDialog;
import android.os.Bundle;
import android.view.View;


public class MainActivity extends Activity {


    private ProgressDialog progress;
    protected void onCreate(Bundle savedInstanceState)
            { super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
    }
    public void download(View view)
            { progress=new ProgressDialog(this);
            progress.setMessage("Downloading file");


    progress.setProgressStyle(ProgressDialog.STYLE_HORIZONTAL);
            progress.setIndeterminate(false);
            progress.setProgress(0);
            progress.show();
            final int totalProgressTime=100;
            final Thread t=new Thread() {
                    public void run()
                            { int jumpTime=0;
                            while(jumpTime<totalProgressTime)
                                    { try {
                                            sleep(200);
                                            jumpTime+=5;
                                            progress.setProgress(jumpTime);
                                    }
```

```
                        catch(InterruptedException e)
                            { e.printStackTrace();
                        }
                    }
                };
                t.start();
            }
        }
```

OUTPUT
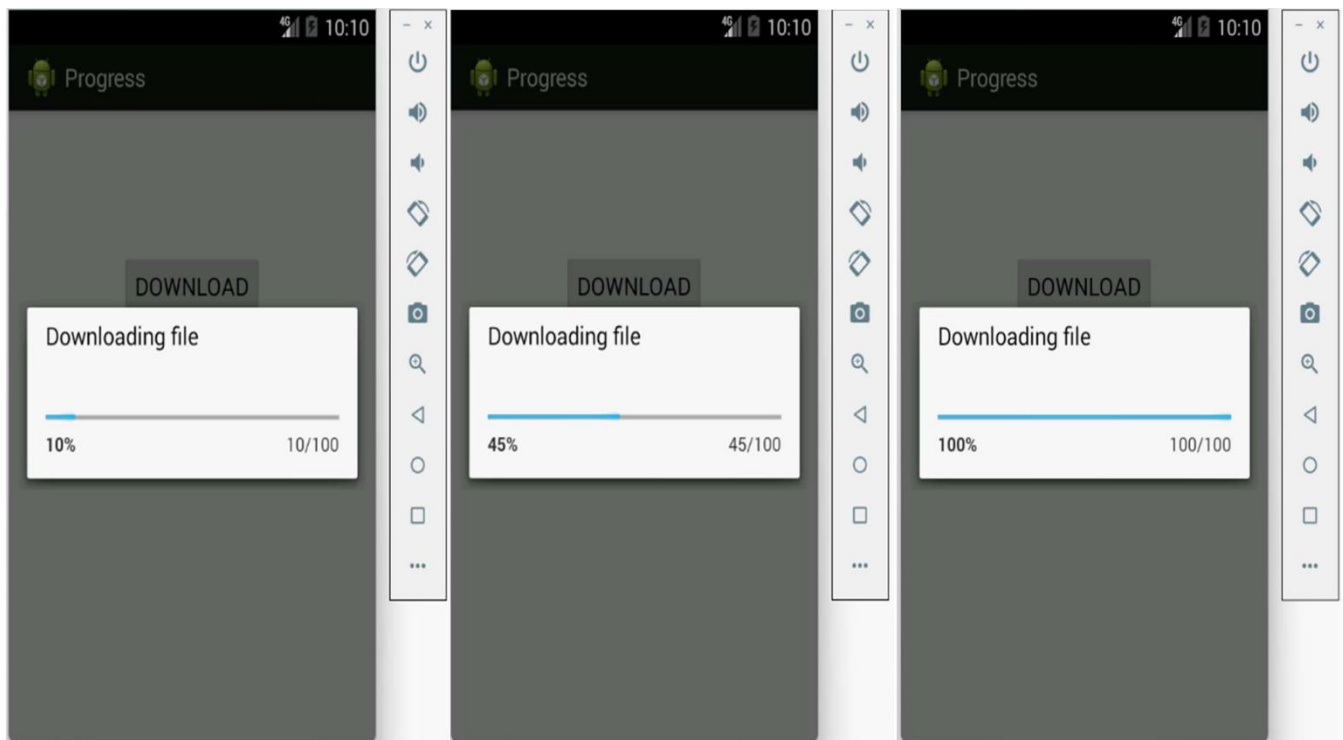
Program No: 9

FOOD ORDERING SYSTEM

AIM:

To develop an android application for Food ordering System using checkbox.

PROGRAM:

activitymain.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="com.example.food_order.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="16dp"
        android:text="FOOD ORDER"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
```

```
            android:layout_height="wrap_content"

            android:layout_below="@+id/textView1"

            android:layout_centerHorizontal="true"

            android:layout_marginTop="22dp"

            android:text="User Login" />


    <EditText

            android:id="@+id/e1"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignBaseline="@+id/textView3"

            android:layout_alignBottom="@+id/textView3"

            android:layout_toRightOf="@+id/textView4"

            android:ems="10"

            android:hint="email"  >


            <requestFocus />

    </EditText>


    <TextView

            android:id="@+id/textView4"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignLeft="@+id/textView3"

            android:layout_below="@+id/e1"

            android:layout_marginTop="34dp"

            android:text="Password"

            android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

            android:id="@+id/e2"

            android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView4"

        android:layout_alignBottom="@+id/textView4"

        android:layout_alignLeft="@+id/e1"

        android:ems="10"

        android:hint="phone no."

        android:inputType="textPassword" />


    <TextView

        android:id="@+id/textView3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/t1"

        android:layout_marginRight="24dp"

        android:layout_marginTop="34dp"

        android:layout_toLeftOf="@+id/textView1"

        android:text="User ID"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <Button

        android:id="@+id/b1"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/t1"

        android:layout_below="@+id/e2"

        android:layout_marginTop="32dp"

        android:text="Login" />


    <Button

        android:id="@+id/b2"

        style="?android:attr/buttonStyleSmall"
```

```
        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView5"

        android:layout_alignBottom="@+id/textView5"

        android:layout_alignLeft="@+id/b1"

        android:layout_marginLeft="39dp"

        android:text="Register" />


    <TextView

        android:id="@+id/textView5"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/b1"

        android:layout_marginTop="21dp"

        android:layout_toRightOf="@+id/textView4"

        android:text="New User?" />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.food_order;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity

    { Button b1,b2;

    EditText e1,e2;

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);
```

```java
            setContentView(R.layout.activity_main);
            b1=(Button)findViewById(R.id.b1);
            b2=(Button)findViewById(R.id.b2);
            e1=(EditText)findViewById(R.id.e1);
            e2=(EditText)findViewById(R.id.e2);
            b1.setOnClickListener(new View.OnClickListener() {

                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        String user="jithu@gmail.com";
                        String pass="8590422460";
                        String user1=e1.getText().toString();
                        String pass1=e2.getText().toString();
                        if(user.equals(user1) && pass.equals(pass1))
                                { Toast.makeText(MainActivity.this,"Login
Successfull",Toast.LENGTH_LONG).show();
                                Intent i1=new
Intent(MainActivity.this,Order.class);
                                i1.putExtra("userr",user);
                                startActivity(i1);
                        }
                        else {
                        Toast.makeText(MainActivity.this,
"Invalid username or password \nIf you don't have an account please
register", Toast.LENGTH_LONG).show();
                        }
                }
            });
            b2.setOnClickListener(new View.OnClickListener() {

                @Override
                public void onClick(View v) {
```

```
                        // TODO Auto-generated method stub

                        Intent ireg=new
Intent(MainActivity.this,Register.class);

                        startActivity(ireg);

                }

            });

        }

}
```

order.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="26dp"
        android:text="Welcome!!!"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
```

```
        android:layout_centerHorizontal="true"

        android:layout_marginTop="23dp"

        android:minWidth="100dp"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <LinearLayout

        android:id="@+id/linearLayout1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/t1"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="53dp"

        android:orientation="vertical" >


        <TextView

            android:id="@+id/textView2"

            android:layout_width="match_parent"

            android:layout_height="wrap_content"

            android:gravity="center_horizontal"

            android:text="ITEMS" />


        <CheckBox

            android:id="@+id/cb1"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Pizza" />


        <CheckBox

            android:id="@+id/cb2"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Burger" />
```

```xml
    <CheckBox
        android:id="@+id/cb3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Coffee" />

    <CheckBox
        android:id="@+id/cb4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Lime Juice" />

</LinearLayout>

<Button
    android:id="@+id/br1"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/linearLayout1"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="18dp"
    android:text="order" />

<Button
    android:id="@+id/br2"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/br1"
    android:layout_centerHorizontal="true"
    android:text="Logout" />
```

```
</RelativeLayout>
```

Order.java

```
package com.example.food_order;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Order extends

      Activity{ Button br1,br2;

      TextView t1;

      CheckBox cb1,cb2,cb3,cb4;

      protected void onCreate(Bundle savedInstanceState)

            { super.onCreate(savedInstanceState);

            setContentView(R.layout.order);

            br1=(Button)findViewById(R.id.br1);

            br2=(Button)findViewById(R.id.br2);

            t1=(TextView)findViewById(R.id.t1);

            cb1=(CheckBox)findViewById(R.id.cb1);

            cb2=(CheckBox)findViewById(R.id.cb2);

            cb3=(CheckBox)findViewById(R.id.cb3);

            cb4=(CheckBox)findViewById(R.id.cb4);

            Intent i1=getIntent();

            String user=i1.getStringExtra("userr");

            t1.setText("Hello user "+user);

            br1.setOnClickListener(new View.OnClickListener() {


                  @Override

                  public void onClick(View v) {

                        // TODO Auto-generated method stub
```

```java
                        int total=0;
                        StringBuilder s=new StringBuilder();
                        s.append("Selected Items : ");
                        if(cb1.isChecked()==true) {
                                s.append("\nPizza 150Rs");
                                total+=150;
                        }
                        if(cb2.isChecked()==true)
                                { s.append("\nBurger 80Rs");
                                total+=80;
                        }
                        if(cb3.isChecked()==true)
                                { s.append("\nCoffee 25Rs");
                                total+=25;
                        }
                        if(cb4.isChecked()==true)
                                { s.append("\nLime Juice 20Rs");
                                total+=20;
                        }
                        s.append("\nTotal Amount : "+total+"Rs");

        Toast.makeText(getApplicationContext(),s,Toast.LENGTH_LONG).sh
ow();
                }
        });
        br2.setOnClickListener(new View.OnClickListener() {

                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        Intent i2=new
Intent(Order.this,MainActivity.class);
                        startActivity(i2);
```

```
        Toast.makeText(getApplicationContext(),"Succesfully Logged
out",Toast.LENGTH_LONG).show();
                }
        });
    }
}
```

register.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="21dp"
        android:text="Customer Registration"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
        android:layout_marginTop="52dp"
```

```
            android:layout_toLeftOf="@+id/textView1"

            android:text="Name"

            android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/er1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignLeft="@+id/textView1"

        android:layout_marginLeft="27dp"

        android:ems="10" >


        <requestFocus />

    </EditText>


    <TextView

        android:id="@+id/textView3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignRight="@+id/textView2"

        android:layout_below="@+id/er1"

        android:layout_marginTop="30dp"

        android:text="Email ID"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/editText2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"
```

```
    android:layout_alignBaseline="@+id/textView3"

    android:layout_alignBottom="@+id/textView3"

    android:layout_alignLeft="@+id/er1"

    android:ems="10" />


<TextView

    android:id="@+id/textView4"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignLeft="@+id/textView3"

    android:layout_below="@+id/editText2"

    android:layout_marginTop="36dp"

    android:text="Password"

    android:textAppearance="?android:attr/textAppearanceSmall"

/>


<EditText

    android:id="@+id/editText3"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/textView4"

    android:layout_alignBottom="@+id/textView4"

    android:layout_alignLeft="@+id/editText2"

    android:ems="10"

    android:inputType="textPassword" />


<Button

    android:id="@+id/breg"

    style="?android:attr/buttonStyleSmall"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_below="@+id/editText3"

    android:layout_centerHorizontal="true"
```

```
        android:layout_marginTop="38dp"

        android:text="Register" />


</RelativeLayout>
```

<u>Register.java</u>

```java
package com.example.food_order;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Register extends

    Activity{ Button breg;

    EditText er1;

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);

        setContentView(R.layout.register);

        er1=(EditText)findViewById(R.id.er1);

        breg=(Button)findViewById(R.id.breg);

        breg.setOnClickListener(new View.OnClickListener() {


            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub+

                String uname=er1.getText().toString();

                Intent i3=new

Intent(Register.this,MainActivity.class);

                startActivity(i3);

                Toast.makeText(getApplicationContext(),"New

user "+uname+" registered successfully",Toast.LENGTH_LONG).show();
```

```
            }
        });
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.food_order"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="19" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
```

```
        <activity
android:name="com.example.food_order.Order"></activity>
        <activity
android:name="com.example.food_order.Register"></activity>
    </application>
</manifest>
```

OUTPUT
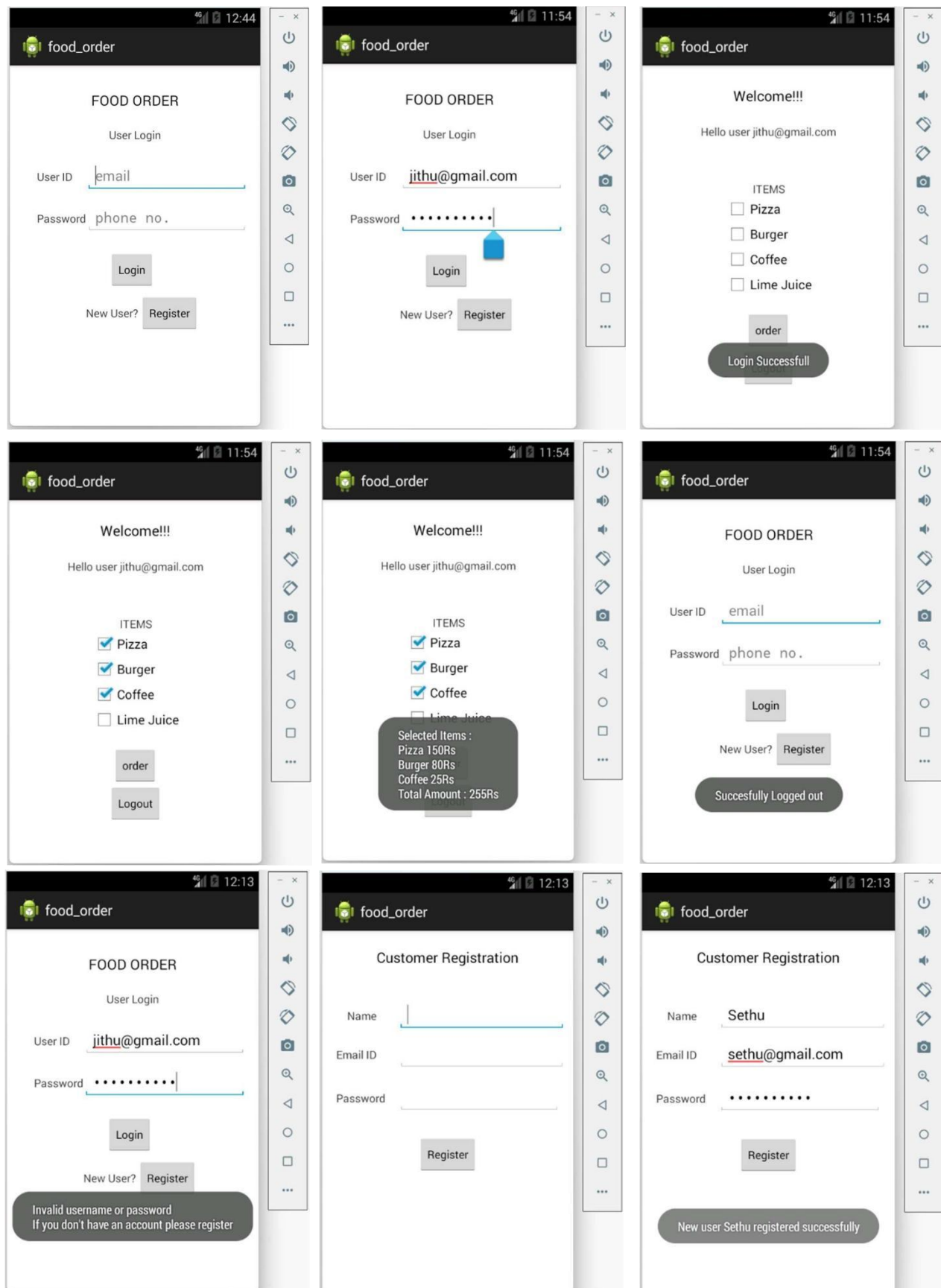
Program No: 10

BANK MANAGEMENT SYSTEM

AIM:

To develop an android application for Bank Management System.

PROGRAM:

activitymain.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="com.example.bank.MainActivity" >

    <TextView
        android:id="@+id/tb1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_marginTop="28dp"
        android:text="Account No."
        android:textAppearance="?android:attr/textAppearanceSmall"
/>

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
    android:layout_alignLeft="@+id/tb1"

    android:layout_below="@+id/e1"

    android:layout_marginTop="22dp"

    android:text="Name"

    android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/e2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView3"

        android:layout_alignBottom="@+id/textView3"

        android:layout_alignLeft="@+id/e1"

        android:ems="10"

        android:width="180dp"  />


    <TextView

        android:id="@+id/tb2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/textView3"

        android:layout_below="@+id/e2"

        android:layout_marginTop="28dp"

        android:text="Current balance"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <TextView

        android:id="@+id/textView5"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/tb2"
```

```
            android:layout_below="@+id/e3"

            android:layout_marginTop="19dp"

            android:text="Username"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <EditText

            android:id="@+id/e4"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignBaseline="@+id/textView5"

            android:layout_alignBottom="@+id/textView5"

            android:layout_alignLeft="@+id/e3"

            android:ems="10"

            android:width="180dp"  />


        <TextView

            android:id="@+id/textView6"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignLeft="@+id/textView5"

            android:layout_below="@+id/e4"

            android:layout_marginTop="25dp"

            android:text="Password"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <EditText

            android:id="@+id/e5"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignBaseline="@+id/textView6"

            android:layout_alignBottom="@+id/textView6"
```

```
    android:layout_alignLeft="@+id/e4"

    android:ems="10"

    android:inputType="textPassword"

    android:width="180dp" />


<Button

    android:id="@+id/b1"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_below="@+id/e5"

    android:layout_centerHorizontal="true"

    android:layout_marginTop="27dp"

    android:text="Submit" />


<EditText

    android:id="@+id/e1"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/tb1"

    android:layout_alignBottom="@+id/tb1"

    android:layout_alignParentRight="true"

    android:ems="10"

    android:width="180dp"  >


    <requestFocus />

</EditText>


<EditText

    android:id="@+id/e3"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/tb2"

    android:layout_alignBottom="@+id/tb2"
```

```
            android:layout_alignParentRight="true"

            android:ems="10"

            android:width="180dp"  />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.bank;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity
      { EditText e1,e3,e4,e5;
      Button b1;
      protected void onCreate(Bundle savedInstanceState)
            { super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            e1=(EditText)findViewById(R.id.e1);
            e3=(EditText)findViewById(R.id.e3);
            e4=(EditText)findViewById(R.id.e4);
            e5=(EditText)findViewById(R.id.e5);
            b1=(Button)findViewById(R.id.b1);
            b1.setOnClickListener(new View.OnClickListener() {
                  @Override
                  public void onClick(View v) {
                        // TODO Auto-generated method stub
                        String accno=e1.getText().toString();
                        String uname=e4.getText().toString();
```

```
                        String bal=e3.getText().toString();

                        String pass=e5.getText().toString();

                        Intent i1=new

Intent(MainActivity.this,Login.class);

                        i1.putExtra("acc", accno);

                        i1.putExtra("uname1",uname);

                        i1.putExtra("bal1",bal);

                        i1.putExtra("pass1",pass);

                        startActivity(i1);

                        }

            });

        }

}
```

login.xml

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

<RelativeLayout

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

    android:layout_width="match_parent"

    android:layout_height="match_parent" >


    <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="29dp"

        android:layout_marginTop="42dp"

        android:text="User Name"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>
```

```xml
    <EditText
        android:id="@+id/el1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView1"
        android:layout_alignBottom="@+id/textView1"
        android:layout_alignParentRight="true"
        android:ems="10" />


    <TextView
        android:id="@+id/tb1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView1"
        android:layout_below="@+id/el1"
        android:layout_marginTop="27dp"
        android:text="Password"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/el2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/tb1"
        android:layout_alignBottom="@+id/tb1"
        android:layout_alignLeft="@+id/el1"
        android:ems="10"
        android:inputType="textPassword" />


    <Button
        android:id="@+id/bl1"
        style="?android:attr/buttonStyleSmall"
```

```
                    android:layout_width="wrap_content"

                    android:layout_height="wrap_content"

                    android:layout_below="@+id/el2"

                    android:layout_centerHorizontal="true"

                    android:layout_marginTop="40dp"

                    android:text="Login" />


</RelativeLayout>
```

Login.java

```java
package com.example.bank;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Login extends

    Activity{ EditText el1,el2;

    Button bl1;

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);

        setContentView(R.layout.login);

        el1=(EditText)findViewById(R.id.el1);

        el2=(EditText)findViewById(R.id.el2);

        bl1=(Button)findViewById(R.id.bl1);

        bl1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

                String user_1=el1.getText().toString();
```

```java
                        String pass_1=el2.getText().toString();
                        Intent i1=getIntent();
                        String
accno=i1.getStringExtra("acc").toString();
                        String
user=i1.getStringExtra("uname1").toString();
                        String
bal=i1.getStringExtra("bal1").toString();
                        String
pass=i1.getStringExtra("pass1").toString();
                        if(user.equals(user_1) && pass.equals(pass_1))
{
                            Intent i2=new
Intent(Login.this,Depositorwithdraw.class);
                            i2.putExtra("balance",  bal);
                            i2.putExtra("acc_no",accno);
                            startActivity(i2);
                        }
                }
            });
        }
}
```

depositorwithdraw.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <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="17dp"

        android:layout_marginTop="22dp"

        android:text="Account Number"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <TextView

        android:id="@+id/textView3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/textView1"

        android:layout_below="@+id/textView1"

        android:layout_marginTop="46dp"

        android:text="Current balance"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <TextView

        android:id="@+id/tb2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView3"

        android:layout_alignBottom="@+id/textView3"

        android:layout_alignLeft="@+id/tb1"

        android:width="150dp" />


    <TextView

        android:id="@+id/textView5"

        android:layout_width="wrap_content"
```

```
                    android:layout_height="wrap_content"

                    android:layout_alignLeft="@+id/textView3"

                    android:layout_below="@+id/textView3"

                    android:layout_marginTop="49dp"

                    android:text="Enter Amount"

                    android:textAppearance="?android:attr/textAppearanceSmall"

/>


        <EditText

                android:id="@+id/eb1"

                android:layout_width="wrap_content"

                android:layout_height="wrap_content"

                android:layout_alignBaseline="@+id/textView5"

                android:layout_alignBottom="@+id/textView5"

                android:layout_alignParentRight="true"

                android:layout_marginRight="34dp"

                android:ems="10"

                android:width="150dp"  >


                <requestFocus />

        </EditText>


        <Button

                android:id="@+id/bb1"

                style="?android:attr/buttonStyleSmall"

                android:layout_width="wrap_content"

                android:layout_height="wrap_content"

                android:layout_below="@+id/eb1"

                android:layout_marginTop="62dp"

                android:layout_toLeftOf="@+id/eb1"

                android:text="Deposit" />


        <TextView
```

```
        android:id="@+id/tb1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_above="@+id/textView3"

        android:layout_toRightOf="@+id/bb1"

        android:width="150dp" />


    <Button

        android:id="@+id/bb2"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/bb1"

        android:layout_alignBottom="@+id/bb1"

        android:layout_alignLeft="@+id/eb1"

        android:layout_marginLeft="29dp"

        android:text="Withdraw" />


</RelativeLayout>
```

Depositorwithdraw.java

```java
package com.example.bank;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Depositorwithdraw extends

    Activity{ TextView tb1,tb2;

    EditText eb1;
```

```
Button bb1,bb2;
protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.depositorwithdraw);
        tb1=(TextView)findViewById(R.id.tb1);
        tb2=(TextView)findViewById(R.id.tb2);
        bb1=(Button)findViewById(R.id.bb1);
        bb2=(Button)findViewById(R.id.bb2);
        eb1=(EditText)findViewById(R.id.eb1);
        Intent i2=getIntent();
        String account_no=i2.getStringExtra("acc_no").toString();
        final int
bal=Integer.parseInt(i2.getStringExtra("balance"));
        tb1.setText(account_no);
        tb2.setText(Integer.toString(bal));
        bb1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                tb2.setText("");
                String amount=eb1.getText().toString();
                int balance=bal;
                int amount1=Integer.parseInt(amount);
                balance+=amount1;
                int bal=balance;
                tb2.setText(Integer.toString(bal));
                Toast.makeText(getApplicationContext(),
"Amount successfully deposited", Toast.LENGTH_LONG).show();
            }
        });
        bb2.setOnClickListener(new View.OnClickListener() {
```

```java
                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        tb2.setText("");
                        String amount=eb1.getText().toString();
                        int balance=bal;
                        int amount1=Integer.parseInt(amount);
                        if(balance>=amount1) {
                                balance-=amount1;
                                int bal=balance;
                                tb2.setText(Integer.toString(bal));
                                Toast.makeText(getApplicationContext(),
"Amount withdrawn succesfully", Toast.LENGTH_LONG).show();
                        }
                        else {
                                Toast.makeText(getApplicationContext(),
"Insufficient Balance", Toast.LENGTH_LONG).show();
                        }
                }
        });
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.bank"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
```

```xml
        android:targetSdkVersion="19" />


    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name="com.example.bank.Login"></activity>
        <activity
android:name="com.example.bank.Depositorwithdraw"></activity>"
    </application>

</manifest>
```

OUTPUT
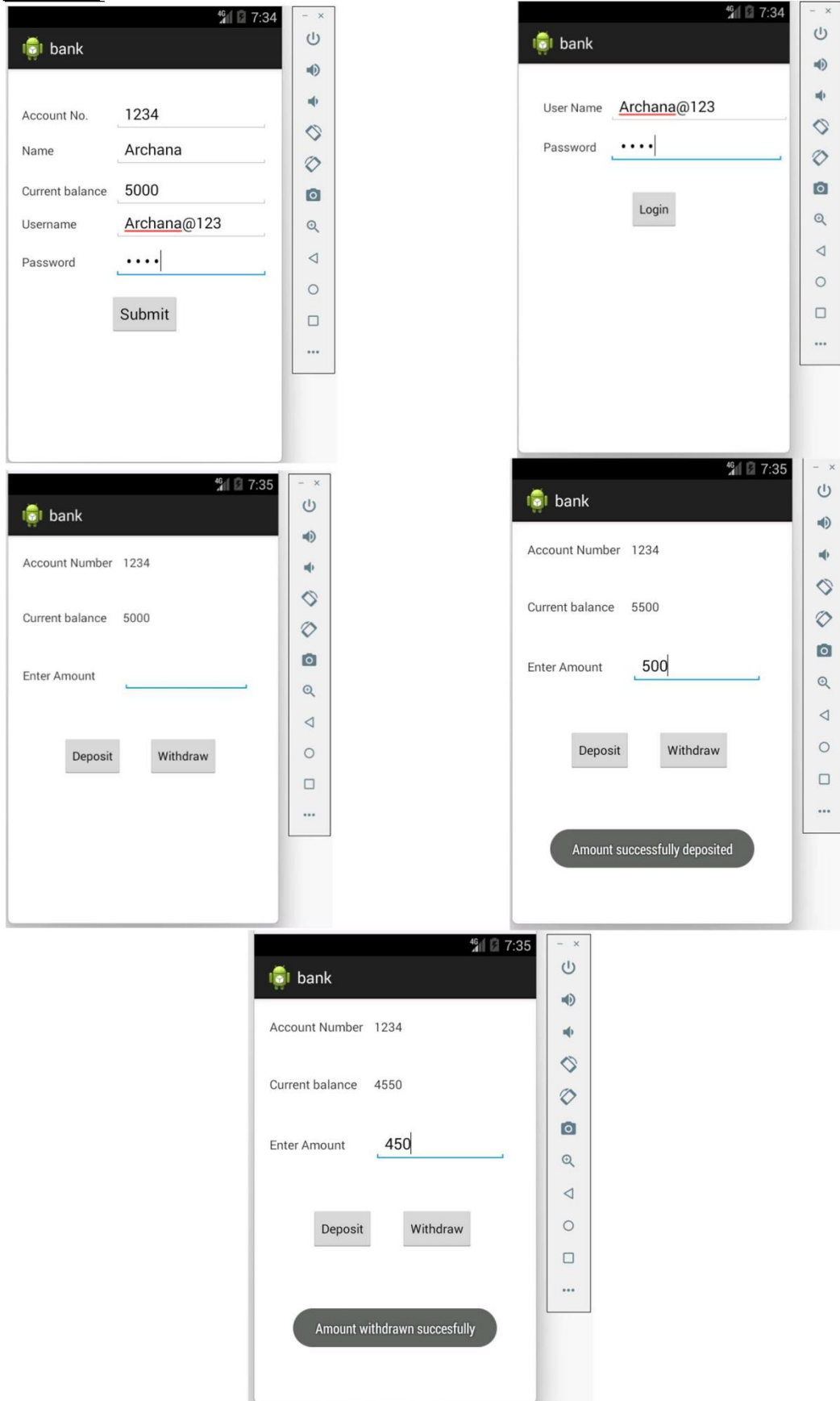
Program No: 11

STUDENT REGISTRATION

AIM:

To develop an android application for Student Registration using SQLite database.

PROGRAM:

activitymain.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="com.example.db.MainActivity" >

    <TextView
        android:id="@+id/tw1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="64dp"
        android:text="Username" />

    <EditText
        android:id="@+id/em1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:layout_alignBaseline="@+id/tw1"

        android:layout_alignBottom="@+id/tw1"

        android:layout_marginLeft="48dp"

        android:layout_toRightOf="@+id/tw1"

        android:ems="10" >


        <requestFocus />
    </EditText>


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignRight="@+id/tw1"

        android:layout_below="@+id/em1"

        android:layout_marginTop="28dp"

        android:text="Password" />


    <EditText

        android:id="@+id/em2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignLeft="@+id/em1"

        android:ems="10"

        android:inputType="textPassword" />


    <Button

        android:id="@+id/bm1"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"
```

```
            android:layout_below="@+id/em2"

            android:layout_centerHorizontal="true"

            android:layout_marginTop="16dp"

            android:text="Login" />


      <Button

            android:id="@+id/bm2"

            style="?android:attr/buttonStyleSmall"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_below="@+id/bm1"

            android:layout_centerHorizontal="true"

            android:layout_marginTop="14dp"

            android:text="Register" />


</RelativeLayout>
```

MainActivity.java

```
package com.example.db;


import android.app.Activity;

import android.content.Context;

import android.content.Intent;

import android.database.*;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity

      { SQLiteDatabase db;

      EditText em1,em2;
```

```java
        Button bm1,bm2;
        protected void onCreate(Bundle savedInstanceState)
                { super.onCreate(savedInstanceState);
                setContentView(R.layout.activity_main);
                em1=(EditText)findViewById(R.id.em1);
                em2=(EditText)findViewById(R.id.em2);
                bm1=(Button)findViewById(R.id.bm1);
                bm2=(Button)findViewById(R.id.bm2);


        db=openOrCreateDatabase("Stud",Context.MODE_PRIVATE,null);
                bm1.setOnClickListener(new View.OnClickListener() {


                        @Override
                        public void onClick(View arg0) {
                                // TODO Auto-generated method stub
                                String uname=em1.getText().toString();
                                String pass=em2.getText().toString();
                                if(uname.isEmpty() || pass.isEmpty()) {
                                        Toast.makeText(getApplicationContext(),
"Please fill all fields", Toast.LENGTH_LONG).show();
                                        return;
                                }
                                else {
                                Cursor c=db.rawQuery("select * from student
where name='"+uname+"'",null);
                                if(c.moveToFirst()) {
                                        String password=c.getString(2);
                                        if(pass.equals(password)) {
                                                Intent i=new
Intent(MainActivity.this,Welcome.class);
                                                i.putExtra("name",uname);
                                                startActivity(i);
                                        }
```

```
                            else


        Toast.makeText(getApplicationContext(), "Invalid user",
Toast.LENGTH_LONG).show();
                    }
            }
            }
        });
        bm2.setOnClickListener(new View.OnClickListener() {


            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                Intent i1=new
Intent(MainActivity.this,Register.class);
                startActivity(i1);
            }
        });
    }
}
```

register.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >


    <TextView
        android:id="@+id/tw1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:layout_alignParentTop="true"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="18dp"

        android:text="REGISTER"

        android:textAppearance="?android:attr/textAppearanceMedium"

/>


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/tw1"

        android:layout_marginLeft="28dp"

        android:layout_marginTop="32dp"

        android:text="Student ID" />


    <EditText

        android:id="@+id/er1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignLeft="@+id/tw1"

        android:layout_marginLeft="30dp"

        android:ems="10" >


        <requestFocus />

    </EditText>


    <TextView

        android:id="@+id/textView3"

        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/textView2"

        android:layout_below="@+id/er1"

        android:layout_marginTop="39dp"

        android:text="Student Name" />


    <EditText

        android:id="@+id/er2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView3"

        android:layout_alignBottom="@+id/textView3"

        android:layout_alignLeft="@+id/er1"

        android:ems="10" />


    <TextView

        android:id="@+id/textView4"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/textView3"

        android:layout_below="@+id/er2"

        android:layout_marginTop="36dp"

        android:text="Password" />


    <EditText

        android:id="@+id/er3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView4"

        android:layout_alignBottom="@+id/textView4"

        android:layout_alignLeft="@+id/er2"

        android:ems="10"

        android:inputType="textPassword" />
```

```xml
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView4"
    android:layout_below="@+id/er3"
    android:layout_marginTop="32dp"
    android:text="Total Mark" />

<EditText
    android:id="@+id/er4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/textView5"
    android:layout_alignBottom="@+id/textView5"
    android:layout_alignLeft="@+id/er3"
    android:ems="10"
    android:inputType="number"  />

<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView5"
    android:layout_below="@+id/er4"
    android:layout_marginTop="30dp"
    android:text="DOB" />

<EditText
    android:id="@+id/er5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
            android:layout_alignBaseline="@+id/textView6"

            android:layout_alignBottom="@+id/textView6"

            android:layout_alignLeft="@+id/er4"

            android:ems="10"

            android:inputType="date"  />


    <Button

            android:id="@+id/br1"

            style="?android:attr/buttonStyleSmall"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_below="@+id/er5"

            android:layout_centerHorizontal="true"

            android:layout_marginTop="45dp"

            android:text="Register" />


</RelativeLayout>
```

Register.java

```java
package com.example.db;


import android.app.Activity;

import android.content.Context;

import android.content.Intent;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Register extends

      Activity{ SQLiteDatabase db;

      EditText er1,er2,er3,er4,er5;

      Button br1;
```

```java
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.register);
        er1=(EditText)findViewById(R.id.er1);
        er2=(EditText)findViewById(R.id.er2);
        er3=(EditText)findViewById(R.id.er3);
        er4=(EditText)findViewById(R.id.er4);
        er5=(EditText)findViewById(R.id.er5);
        br1=(Button)findViewById(R.id.br1);


    db=openOrCreateDatabase("Stud",Context.MODE_PRIVATE,null);
        db.execSQL("create table if not exists student(id
varchar,name varchar,pass varchar,total varchar,dob varchar);");
        br1.setOnClickListener(new View.OnClickListener() {


            @Override
            public void onClick(View arg0) {
                    // TODO Auto-generated method stub
                    String id=er1.getText().toString();
                    String name=er2.getText().toString();
                    String pwd=er3.getText().toString();
                    String total=er4.getText().toString();
                    String dob=er5.getText().toString();
            if(id.isEmpty() || name.isEmpty() || pwd.isEmpty()
|| total.isEmpty() ||dob.isEmpty()) {
                    Toast.makeText(getApplicationContext(),
"Please fill all the fields", Toast.LENGTH_LONG).show();
                    return;
            }
            else {
            db.execSQL("insert into student
values('"+id+"','"+name+"','"+pwd+"','"+total+"','"+dob+"');");
```

```
                Toast.makeText(getApplicationContext(),
"Registration Success", Toast.LENGTH_LONG).show();
                Intent i2=new
Intent(Register.this,MainActivity.class);
                startActivity(i2);
                }
                }
        });
    }
}
```

welcome.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/tw1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginTop="26dp"
        android:gravity="center" />

    <Button
        android:id="@+id/bw1"
        style="?android:attr/buttonStyleSmall"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_centerHorizontal="true"

        android:layout_centerVertical="true"

        android:text="Display Data" />


</RelativeLayout>
```

Welcome.java

```java
package com.example.db;


import android.app.Activity;

import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Welcome extends
    Activity{ SQLiteDatabase db;
    TextView tw1;
    Button bw1;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.welcome);
        tw1=(TextView)findViewById(R.id.tw1);
        bw1=(Button)findViewById(R.id.bw1);
        Intent i=getIntent();
        final String n=i.getStringExtra("name");
        tw1.setText("Welcome..."+n);
```

```java
        db=openOrCreateDatabase("Stud",Context.MODE_PRIVATE,null);
        bw1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Cursor c=db.rawQuery("select * from student
where name='"+n+"'",null);
                if(c.moveToFirst()) {
                    String id=c.getString(0);
                    String tot=c.getString(3);
                    String dob=c.getString(4);
                    StringBuffer s=new StringBuffer();
                    s.append("Student ID : "+id);
                    s.append("\nStudent name : "+n);
                    s.append("\nTotal Mark : "+tot);
                    s.append("\n Student DOB : "+dob);
                    Toast.makeText(getApplicationContext(),
s.toString(), Toast.LENGTH_LONG).show();
                }
            }
        });
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.db"
    android:versionCode="1"
    android:versionName="1.0" >
```

```xml
    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="19" />


    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action  android:name="android.intent.action.MAIN"  />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity  android:name="com.example.db.Register"></activity>
        <activity  android:name="com.example.db.Welcome"></activity>
    </application>

</manifest>
```

OUTPUT:

Program No: 12

ELECTRICITY BILL CALCULATION

AIM:

To develop an android application for electricity bill calculation.

PROGRAM:

activitymain.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="com.example.electricitybill.MainActivity" >

    <TextView
        android:id="@+id/th1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:text="Electricity Bill"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <EditText
        android:id="@+id/e1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignParentRight="true"

        android:ems="10"

        android:width="180dp"  />


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/th1"

        android:layout_marginTop="38dp"

        android:layout_toLeftOf="@+id/e1"

        android:text="Consumer No."

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <TextView

        android:id="@+id/textView3"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/e1"

        android:layout_marginTop="22dp"

        android:layout_toLeftOf="@+id/th1"

        android:text="Password"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/e2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView3"
```

```xml
            android:layout_alignBottom="@+id/textView3"

            android:layout_alignLeft="@+id/e1"

            android:ems="10"

            android:inputType="textPassword" >


            <requestFocus />

    </EditText>


    <LinearLayout

        android:id="@+id/linearLayout1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/e2"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="22dp" >


        <Button

            android:id="@+id/b1"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Login"

            android:width="100dp" />


        <Button

            android:id="@+id/b2"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Register"

            android:width="100dp" />

    </LinearLayout>


</RelativeLayout>
```

MainActivity.java

```java
package com.example.electricitybill;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class MainActivity extends Activity {


    EditText e1,e2;

    Button b1,b2;

    protected void onCreate(Bundle savedInstanceState)

            { super.onCreate(savedInstanceState);

            setContentView(R.layout.activity_main);

            e1=(EditText)findViewById(R.id.e1);

            e2=(EditText)findViewById(R.id.e2);

            b1=(Button)findViewById(R.id.b1);

            b2=(Button)findViewById(R.id.b2);

            b1.setOnClickListener(new View.OnClickListener() {


                @Override

                public void onClick(View v) {

                    // TODO Auto-generated method stub

                    Intent i2=getIntent();

                    String user_name=i2.getStringExtra("user");

                    String consumer_num=i2.getStringExtra("num");

                    String password=i2.getStringExtra("pass");

                    String

consumed_unit=i2.getStringExtra("unit");

                    String num=e1.getText().toString();

                    String pass=e2.getText().toString();
```

```java
                        if(num.equals(consumer_num) &&
pass.equals(password)) {
                                Intent i3=new
Intent(MainActivity.this,Userhome.class);
                                i3.putExtra("name",user_name);
                                i3.putExtra("cons_num", consumer_num);
                                i3.putExtra("unit",consumed_unit);
                                startActivity(i3);
                        }
                    }
            });
            b2.setOnClickListener(new View.OnClickListener() {

                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        Intent i1=new
Intent(MainActivity.this,Register.class);
                        startActivity(i1);
                }
            });
    }
}
```

register.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <TextView
        android:id="@+id/th1"
```

```
        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentTop="true"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="18dp"

        android:text="Registration"

        android:textAppearance="?android:attr/textAppearanceMedium"

/>


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/th1"

        android:layout_marginLeft="16dp"

        android:layout_marginTop="44dp"

        android:text="Username"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/er1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignLeft="@+id/th1"

        android:ems="10"

        android:width="180dp"  >


        <requestFocus />

    </EditText>
```

```xml
    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView2"
        android:layout_below="@+id/er1"
        android:layout_marginTop="32dp"
        android:text="Consumer No."
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/er2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView3"
        android:layout_alignBottom="@+id/textView3"
        android:layout_alignLeft="@+id/er1"
        android:ems="10"
        android:width="180dp"  />


    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView3"
        android:layout_below="@+id/er2"
        android:layout_marginTop="37dp"
        android:text="Password"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>
```

```
<EditText

    android:id="@+id/er3"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/textView4"

    android:layout_alignBottom="@+id/textView4"

    android:layout_alignLeft="@+id/er2"

    android:ems="10"

    android:inputType="textPassword"

    android:width="180dp" />


<TextView

    android:id="@+id/textView5"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignLeft="@+id/textView4"

    android:layout_below="@+id/er3"

    android:layout_marginTop="38dp"

    android:text="Unit Consumed"

    android:textAppearance="?android:attr/textAppearanceSmall"

/>


<EditText

    android:id="@+id/er4"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/textView5"

    android:layout_alignBottom="@+id/textView5"

    android:layout_toRightOf="@+id/textView5"

    android:ems="10"

    android:width="180dp" />


<Button
```

```
        android:id="@+id/br1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/er4"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="24dp"

        android:text="Submit" />


</RelativeLayout>
```

Register.java

```
package com.example.electricitybill;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Register extends

    Activity{ EditText er1,er2,er3,er4;

    Button br1;

    protected void onCreate(Bundle savedInstanceState)

        { super.onCreate(savedInstanceState);

        setContentView(R.layout.register);

        er1=(EditText)findViewById(R.id.er1);

        er2=(EditText)findViewById(R.id.er2);

        er3=(EditText)findViewById(R.id.er3);

        er4=(EditText)findViewById(R.id.er4);

        br1=(Button)findViewById(R.id.br1);

        br1.setOnClickListener(new View.OnClickListener() {
```

```java
                @Override
                public void onClick(View v) {
                        // TODO Auto-generated method stub
                        String u_name=er1.getText().toString();
                        String cons_no=er2.getText().toString();
                        String pas=er3.getText().toString();
                        String cons_unit=er4.getText().toString();
                        Intent i2=new
Intent(Register.this,MainActivity.class);
                        i2.putExtra("user",u_name);
                        i2.putExtra("num", cons_no);
                        i2.putExtra("pass", pas);
                        i2.putExtra("unit",cons_unit);
                        startActivity(i2);
                }
        });
    }
}
```

user_home.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/RelativeLayout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/th1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```
            android:layout_alignParentLeft="true"

            android:layout_alignParentTop="true"

            android:layout_marginTop="22dp"

            android:gravity="center"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <TextView

            android:id="@+id/th2"

            android:layout_width="match_parent"

            android:layout_height="wrap_content"

            android:layout_alignParentLeft="true"

            android:layout_below="@+id/th1"

            android:layout_marginTop="38dp"

            android:gravity="center"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <TextView

            android:id="@+id/th3"

            android:layout_width="match_parent"

            android:layout_height="wrap_content"

            android:layout_alignParentLeft="true"

            android:layout_below="@+id/th2"

            android:layout_marginTop="42dp"

            android:gravity="center"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <LinearLayout

            android:id="@+id/linearLayout1"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"
```

```
            android:layout_centerHorizontal="true"

            android:layout_centerVertical="true"  >


        <Button

            android:id="@+id/bh1"

            style="?android:attr/buttonStyleSmall"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Calculate"

            android:width="100dp" />


        <Button

            android:id="@+id/bh2"

            style="?android:attr/buttonStyleSmall"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Logout"

            android:width="100dp" />

    </LinearLayout>


    <TextView

        android:id="@+id/th4"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_alignParentRight="true"

        android:layout_below="@+id/linearLayout1"

        android:layout_marginTop="34dp"

        android:gravity="center" />


</RelativeLayout>
```

Userhome.java

```java
package com.example.electricitybill;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Userhome extends
        Activity{ TextView th1,th2,th3,th4;
        Button bh1,bh2;
        protected void onCreate(Bundle savedInstanceState)
                { super.onCreate(savedInstanceState);
                setContentView(R.layout.user_home);
                th1=(TextView)findViewById(R.id.th1);
                th2=(TextView)findViewById(R.id.th2);
                th3=(TextView)findViewById(R.id.th3);
                th4=(TextView)findViewById(R.id.th4);
                bh1=(Button)findViewById(R.id.bh1);
                bh2=(Button)findViewById(R.id.bh2);
                Intent i3=getIntent();
                String user=i3.getStringExtra("name");
                String num=i3.getStringExtra("cons_num");
                final String unit=i3.getStringExtra("unit");
                th1.setText("Welcome "+user);
                th2.setText("Your consumer number is "+num);
                th3.setText("The unit consumed is "+unit);
                bh1.setOnClickListener(new View.OnClickListener() {

                        @Override
                        public void onClick(View v) {
                                // TODO Auto-generated method stub
```

```java
                        int cons_unit=Integer.parseInt(unit);

                        int amount=5*cons_unit;

                        th4.setText("The total amount is

"+amount+"Rs");

                }

        });

        bh2.setOnClickListener(new View.OnClickListener() {


                @Override

                public void onClick(View v) {

                        // TODO Auto-generated method stub

                        Intent i4=new

Intent(Userhome.this,MainActivity.class);

                        startActivity(i4);

                        Toast.makeText(getApplicationContext(),

"Succesfully logged out", Toast.LENGTH_LONG).show();

                }

        });

        }

}
```


AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"

    package="com.example.electricitybill"

    android:versionCode="1"

    android:versionName="1.0" >


    <uses-sdk

        android:minSdkVersion="19"

        android:targetSdkVersion="19" />
```

```xml
<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher"
    android:label="@string/app_name"
    android:theme="@style/AppTheme" >
    <activity
        android:name=".MainActivity"
        android:label="@string/app_name" >
        <intent-filter>
            <action  android:name="android.intent.action.MAIN" />

            <category
android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
    <activity
android:name="com.example.electricitybill.Register"></activity>
    <activity
android:name="com.example.electricitybill.Userhome"></activity>
</application>

</manifest>
```

RESULT
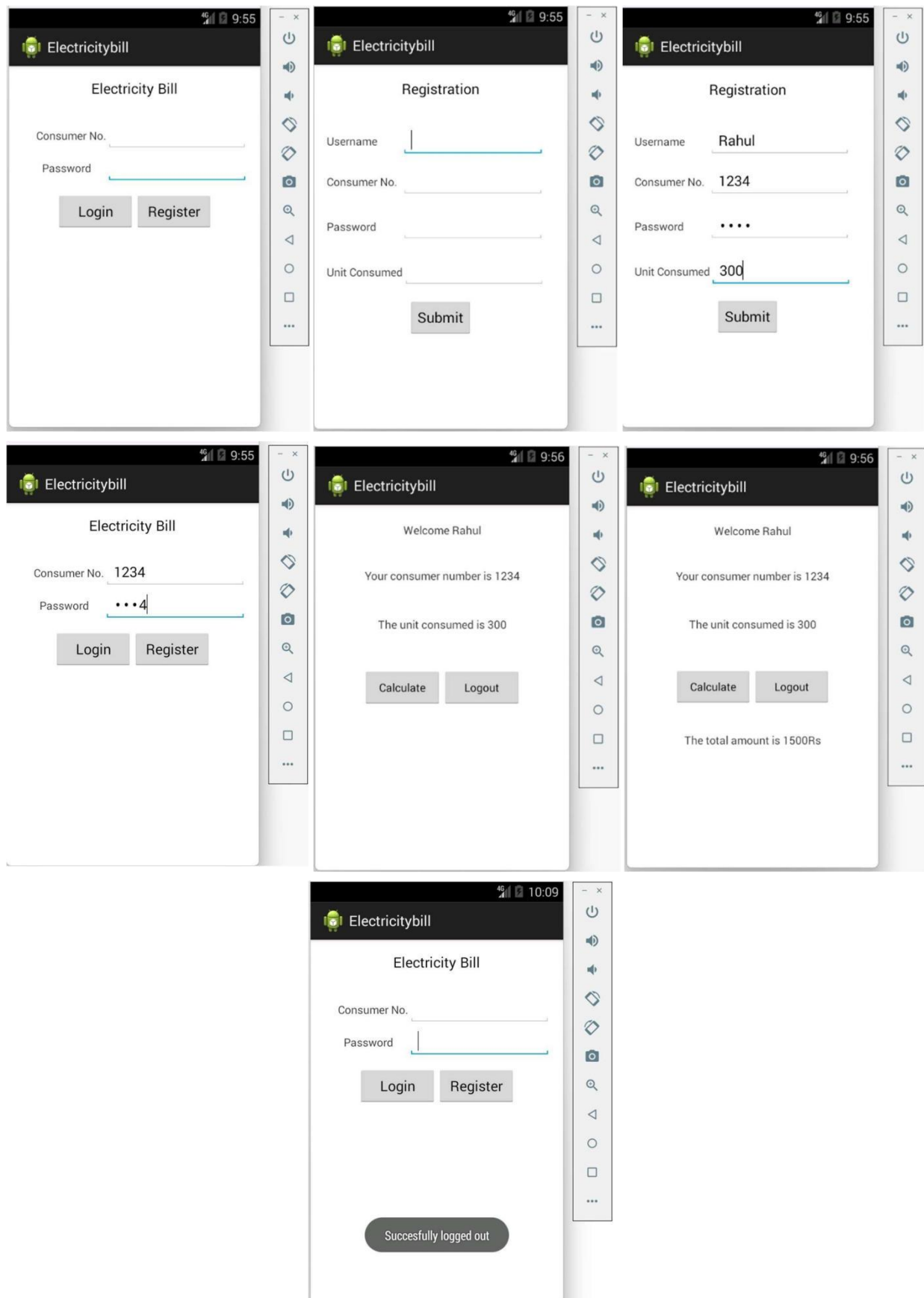
Program No: 13

EMPLOYEE SALARY CALCULATION

AIM:

To develop an android application for employee salary calculation.

PROGRAM:

activitymain.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="com.example.employee.MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="20dp"
        android:text="LOGIN PAGE"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
```

```xml
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_below="@+id/textView1"
        android:layout_marginTop="48dp"
        android:text="Employee id"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView2"
        android:layout_alignBottom="@+id/textView2"
        android:layout_alignLeft="@+id/textView1"
        android:layout_marginLeft="22dp"
        android:ems="10" >

        <requestFocus />
    </EditText>

    <TextView
        android:id="@+id/st1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView2"
        android:layout_below="@+id/t1"
        android:layout_marginTop="30dp"
        android:text="Password"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
```

```xml
        android:id="@+id/t2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/st1"

        android:layout_alignBottom="@+id/st1"

        android:layout_alignLeft="@+id/t1"

        android:ems="10"

        android:inputType="textPassword" />


    <Button

        android:id="@+id/b1"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/t2"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="41dp"

        android:text="Login" />


    <Button

        android:id="@+id/b2"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/b1"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="26dp"

        android:text="Register" />


</RelativeLayout>
```

MainActivity.java

```java
package com.example.employee;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;

public class MainActivity extends Activity
    { EditText t1,t2;
    Button b1,b2;
    int c=5;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        t1=(EditText)findViewById(R.id.t1);
        t2=(EditText)findViewById(R.id.t2);
        b1=(Button)findViewById(R.id.b1);
        b2=(Button)findViewById(R.id.b2);
        b1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                String userid="amrutha@1234";
                String pass="1234";
                String uid=t1.getText().toString();
                String passd=t2.getText().toString();
                if(userid.equals(uid) && pass.equals(passd))
                    { Intent i1=new
Intent(MainActivity.this,Welcome.class);
                        i1.putExtra("uid", userid);
```

```java
                        startActivity(i1);
                    }
                    else {
                        c--;
                        if(c>0) {

    Toast.makeText(getApplicationContext(),"Invalid username or
password \nRemaining attempts : "+c,Toast.LENGTH_LONG).show();
                        }
                        else {
                            b1.setEnabled(false);
                        }
                    }
                }
            });
            b2.setOnClickListener(new View.OnClickListener() {

                @Override
                public void onClick(View v) {
                    // TODO Auto-generated method stub
                    Intent mi2=new
Intent(MainActivity.this,Register.class);
                    startActivity(mi2);
                }
            });
        }
}
```

welcome.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
```

```
            android:layout_height="match_parent"  >


    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="22dp"
        android:text="WELCOME"
        android:textAppearance="?android:attr/textAppearanceMedium"
/>


    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_below="@+id/textView1"
        android:layout_marginLeft="18dp"
        android:layout_marginTop="46dp"
        android:text="BASIC PAY"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/bp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView2"
        android:layout_alignBottom="@+id/textView2"
        android:layout_alignLeft="@+id/textView1"
        android:layout_marginLeft="20dp"
```

```
            android:ems="10"  >


            <requestFocus />
      </EditText>


      <TextView
            android:id="@+id/st1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignLeft="@+id/textView2"
            android:layout_below="@+id/bp"
            android:layout_marginTop="32dp"
            android:text="IA"
            android:textAppearance="?android:attr/textAppearanceSmall"
/>


      <EditText
            android:id="@+id/ia"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignBaseline="@+id/st1"
            android:layout_alignBottom="@+id/st1"
            android:layout_alignLeft="@+id/bp"
            android:ems="10" />


      <TextView
            android:id="@+id/textView4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignLeft="@+id/st1"
            android:layout_below="@+id/ia"
            android:layout_marginTop="24dp"
            android:text="DA"
```

```xml
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/da"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView4"
        android:layout_alignBottom="@+id/textView4"
        android:layout_alignLeft="@+id/ia"
        android:ems="10" />


    <TextView
        android:id="@+id/st2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView4"
        android:layout_below="@+id/da"
        android:layout_marginTop="30dp"
        android:text="HRA"
        android:textAppearance="?android:attr/textAppearanceSmall"
/>


    <EditText
        android:id="@+id/hra"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/st2"
        android:layout_alignBottom="@+id/st2"
        android:layout_alignLeft="@+id/da"
        android:ems="10" />


    <TextView
```

```
        android:id="@+id/textView6"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignLeft="@+id/st2"

        android:layout_below="@+id/hra"

        android:layout_marginTop="28dp"

        android:text="PF"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/pf"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView6"

        android:layout_alignBottom="@+id/textView6"

        android:layout_alignLeft="@+id/hra"

        android:layout_alignParentRight="true"

        android:ems="10" />


    <Button

        android:id="@+id/gss"

        style="?android:attr/buttonStyleSmall"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@+id/pf"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="30dp"

        android:text="GENERATE SALARY SLIP" />


</RelativeLayout>
```

Welcome.java

```java
package com.example.employee;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;

public class Welcome extends
    Activity{ Button gss;
    EditText bp,ia,da,hra,pf;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.welcome);
        gss=(Button)findViewById(R.id.gss);
        bp=(EditText)findViewById(R.id.bp);
        ia=(EditText)findViewById(R.id.ia);
        da=(EditText)findViewById(R.id.da);
        hra=(EditText)findViewById(R.id.hra);
        pf=(EditText)findViewById(R.id.pf);
        gss.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i1=getIntent();
                String u_id=i1.getStringExtra("uid");
                Integer
ba1=Integer.parseInt(bp.getText().toString());
                Integer
ia1=Integer.parseInt(ia.getText().toString());
```

```java
                        Integer
da1=Integer.parseInt(da.getText().toString());
                        Integer
hra1=Integer.parseInt(hra.getText().toString());
                        Integer
pf1=Integer.parseInt(pf.getText().toString());
                        Integer  salary=ba1+ia1+da1+hra1+pf1;
                        String  sal=Integer.toString(salary);
                        Intent i2=new
Intent(Welcome.this,Result.class);
                        i2.putExtra("uid", u_id);
                        i2.putExtra("salary", sal);
                        startActivity(i2);
                        }
            });
        }
}
```

result.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="18dp"
        android:text="SALARY"
```

```
        android:textAppearance="?android:attr/textAppearanceMedium"
/>


    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
        android:layout_marginRight="16dp"
        android:layout_marginTop="57dp"
        android:layout_toLeftOf="@+id/textView1"
        android:text="Employee ID"
        android:width="110dp" />


    <TextView
        android:id="@+id/st1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView2"
        android:layout_alignBottom="@+id/textView2"
        android:layout_toRightOf="@+id/textView1"
        android:width="110dp" />


    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView2"
        android:layout_below="@+id/textView2"
        android:layout_marginTop="36dp"
        android:text="Employee Name"
        android:width="110dp" />
```

```
<TextView

    android:id="@+id/st2"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/textView4"

    android:layout_alignBottom="@+id/textView4"

    android:layout_alignLeft="@+id/st1"

    android:width="110dp" />


<TextView

    android:id="@+id/textView6"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignRight="@+id/textView4"

    android:layout_below="@+id/textView4"

    android:layout_marginTop="38dp"

    android:text="Salary"

    android:width="110dp" />


<TextView

    android:id="@+id/st3"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignBaseline="@+id/textView6"

    android:layout_alignBottom="@+id/textView6"

    android:layout_alignRight="@+id/st2"

    android:width="110dp" />


<Button

    android:id="@+id/home"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignRight="@+id/textView1"
```

```
                android:layout_below="@+id/st3"

                android:layout_marginTop="60dp"

                android:text="HOME" />


</RelativeLayout>
```

Result.java

```java
package com.example.employee;


import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.*;


public class Result extends

      Activity{ TextView st1,st2,st3;

      Button home;

      protected void onCreate(Bundle savedInstanceState)

            { super.onCreate(savedInstanceState);

            setContentView(R.layout.result);

            st1=(TextView)findViewById(R.id.st1);

            st2=(TextView)findViewById(R.id.st2);

            st3=(TextView)findViewById(R.id.st3);

            home=(Button)findViewById(R.id.home);

            Intent i2=getIntent();

            String id=i2.getStringExtra("uid");

            String sal=i2.getStringExtra("salary");

            st1.setText(id);

            st2.setText("Amrutha");

            st3.setText(sal);

            home.setOnClickListener(new View.OnClickListener() {
```

```java
            @Override

            public void onClick(View v) {

                    // TODO Auto-generated method stub

                    Intent h3=new

Intent(Result.this,MainActivity.class);

                    startActivity(h3);

            }

        });

    }

}
```

register.xml

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

<RelativeLayout

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

    android:layout_width="match_parent"

    android:layout_height="match_parent" >


    <TextView

        android:id="@+id/textView1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentTop="true"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="24dp"

        android:text="REGISTRATION"

        android:textAppearance="?android:attr/textAppearanceMedium"

/>


    <TextView

        android:id="@+id/textView2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"
```

```
        android:layout_alignParentLeft="true"

        android:layout_below="@+id/textView1"

        android:layout_marginTop="52dp"

        android:text="Employee ID"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/bp"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView2"

        android:layout_alignBottom="@+id/textView2"

        android:layout_alignParentRight="true"

        android:ems="10" />


    <TextView

        android:id="@+id/st1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/bp"

        android:layout_marginTop="25dp"

        android:text="Employee Name"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/ia"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/st1"

        android:layout_alignBottom="@+id/st1"
```

```xml
        android:layout_alignParentRight="true"

        android:ems="10" />


    <TextView

        android:id="@+id/textView4"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/ia"

        android:layout_marginTop="27dp"

        android:text="Department"

        android:textAppearance="?android:attr/textAppearanceSmall"

/>


    <EditText

        android:id="@+id/da"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignBaseline="@+id/textView4"

        android:layout_alignBottom="@+id/textView4"

        android:layout_alignLeft="@+id/ia"

        android:ems="10" >


        <requestFocus />

    </EditText>


    <TextView

        android:id="@+id/st2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/da"

        android:layout_marginTop="31dp"
```

```
            android:text="Designation"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <EditText

            android:id="@+id/hra"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignBaseline="@+id/st2"

            android:layout_alignBottom="@+id/st2"

            android:layout_alignParentRight="true"

            android:ems="10" />


        <TextView

            android:id="@+id/textView6"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignParentLeft="true"

            android:layout_below="@+id/hra"

            android:layout_marginTop="29dp"

            android:text="Date of Joining"

            android:textAppearance="?android:attr/textAppearanceSmall"

    />


        <EditText

            android:id="@+id/pf"

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:layout_alignBaseline="@+id/textView6"

            android:layout_alignBottom="@+id/textView6"

            android:layout_alignLeft="@+id/hra"

            android:ems="10"

            android:inputType="date"  />
```

```xml
<Button
    android:id="@+id/rb1"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/pf"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="18dp"
    android:text="Register" />

</RelativeLayout>
```

Register.java

```java
package com.example.employee;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class Register extends
    Activity{ Button rb1;
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.register);
        rb1=(Button)findViewById(R.id.rb1);
        rb1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
```

```
                              // TODO Auto-generated method stub
                              Toast.makeText(getApplicationContext(),
"Registration Successful", Toast.LENGTH_LONG).show();
                              Intent rri2=new
Intent(Register.this,MainActivity.class);
                              startActivity(rri2);
                      }
              });
       }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.employee"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="19" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action  android:name="android.intent.action.MAIN" />
```

```
            <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
android:name="com.example.employee.Register"></activity>
        <activity
android:name="com.example.employee.Welcome"></activity>
        <activity
android:name="com.example.employee.Result"></activity>
    </application>


</manifest>
```