

Ex. No. : 1 CREATE HELLO WORLD APPLICATION

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=".MainActivity" >

<TextView
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="23dp"
android:text="@string/hello_world" />
</RelativeLayout>
```

MAINACTIVITY.JAVA

```
package com.example.hello;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

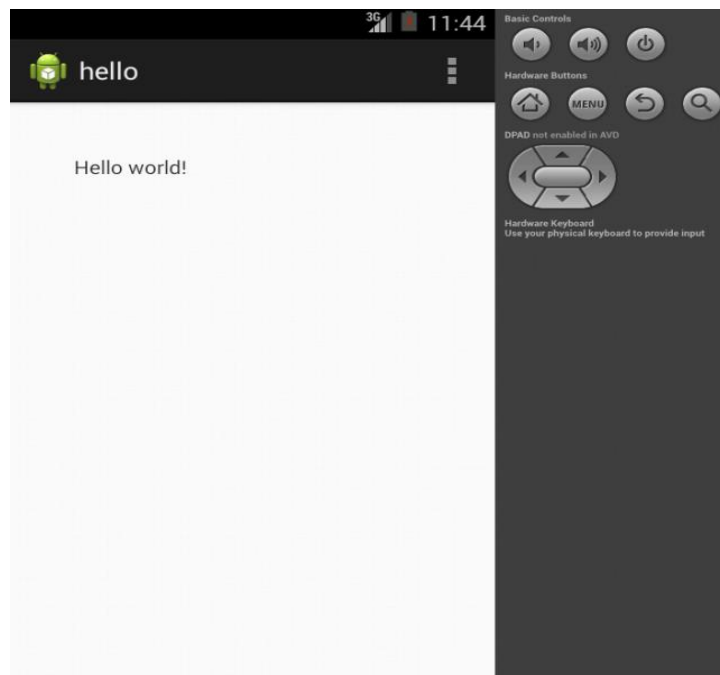
public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    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



Ex. No. : 2 DEMONSTRATE LIFE CYCLE OF AN ACTIVITY

MAINACTIVITY.JAVA

```
package com.example.lifecycle;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
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(getApplicationContext(), "Home Application
        Created",Toast.LENGTH_LONG).show();

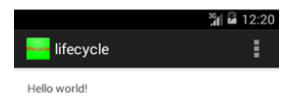
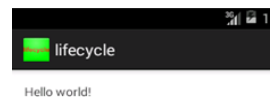
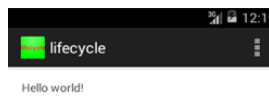
    }
    protected void onStart()
    {
        Toast.makeText(getApplicationContext(), "Activity started
        successfully",Toast.LENGTH_LONG).show();
        super.onStart();
    }
    protected void onResume()
    {
        Toast.makeText(getApplicationContext(), " Resume
        Activity",Toast.LENGTH_LONG).show();
        super.onResume();
    }
    protected void onPause()
    {
        Toast.makeText(getApplicationContext(), " Pause Activity",Toast.LENGTH_LONG).show()
        super.onPause();
    }
    protected void onStop()
    {
        Toast.makeText(getApplicationContext(), "Stop Activity",Toast.LENGTH_LONG).show();
        super.onStop();
    }
    protected void onDestroy()
    {
        Toast.makeText(getApplicationContext(), " Destroy
        Activity",Toast.LENGTH_LONG).show();
        super.onDestroy();
    }
}
```

```
protected void onRestart()
{
    Toast.makeText(getApplicationContext(), " Restart
    Activity",Toast.LENGTH_LONG).show();
    super.onRestart();
}
```

```
@Override
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

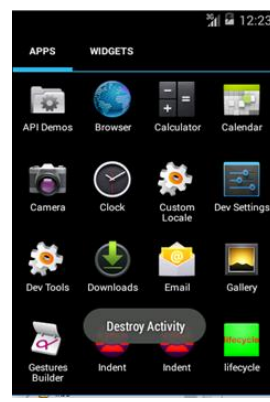
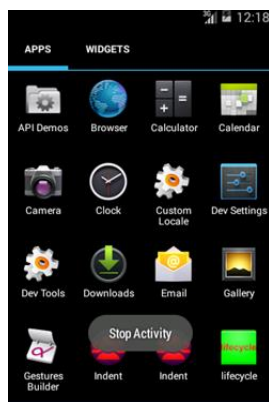
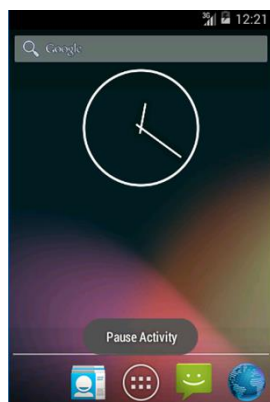


Home Application Created

Activity started successfully

Restart Activity

Resume Activity



Ex. No. : 3 LAYOUTS : LINEAR, RELATIVE AND TABLE

ACTIVITY MAIN.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:gravity="center" >
```

```
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Layout Types"
    android:textStyle="bold|italic"
    android:textSize="30dp"
    android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:layout_margin="40dp"
    android:background="#f0f0f0" >
```

```
<Button
    android:id="@+id/button1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Linear"
    android:textColor="#fff"
    android:textStyle="bold|italic"
    android:textSize="22dp"
    android:layout_marginTop="50dp"
    android:background="#000" />
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Relative"
    android:textColor="#fff"
    android:textStyle="bold|italic"
    android:textSize="22dp"
    android:layout_marginTop="55dp"
    android:background="#000"/>
```

```
<Button
android:id="@+id/button3"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Table"
android:textColor="#fff"
android:textStyle="bold|italic"
android:textSize="22dp"
android:layout_marginTop="55dp"
android:background="#000" />
```

```
</LinearLayout>
</LinearLayout>
```

ACTIVITY_RELATIVE.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=".Relative" >
```

```
<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="30dp"
android:layout_marginTop="52dp"
android:text="Username: " />
```

```
<EditText
android:id="@+id/editText1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBaseline="@+id/textView1"
android:layout_alignBottom="@+id/textView1"
android:layout_marginLeft="18dp"
android:layout_toRightOf="@+id/textView1"
android:ems="10" />
```

```
<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/editText1"
android:layout_marginTop="26dp"
android:layout_toLeftOf="@+id/editText1"
android:text="Password: " />
```

```
<EditText
android:id="@+id/editText2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBaseline="@+id/textView2"
android:layout_alignBottom="@+id/textView2"
android:layout_alignLeft="@+id/editText1"
android:ems="10"
android:inputType="textPassword" >
```

```
<requestFocus />
</EditText>
```

```
<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/editText2"
android:layout_marginTop="55dp"
android:layout_toRightOf="@+id/textView2"
android:text="Submit" />
```

```
<TextView
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/button1"
android:layout_alignParentTop="true"
android:text="Login"
android:textAppearance="?android:attr/textAppearanceLarge" />
</RelativeLayout>
```

ACTIVITY LINEAR.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical"
```

```
android:gravity="center">
```

```
<LinearLayout  
  android:layout_width="match_parent"  
  android:layout_height="match_parent"  
  android:layout_marginLeft="20dp"  
  android:layout_marginRight="20dp"  
  android:layout_marginTop="30dp"  
  android:layout_weight="0.56"  
  android:orientation="vertical" >
```

```
<TextView  
  android:id="@+id/textView1"  
  android:layout_width="wrap_content"  
  android:layout_height="wrap_content"  
  android:layout_gravity="center"  
  android:text="Vertical"  
  android:textStyle="bold|italic"  
  android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<Button  
  android:id="@+id/button1"  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_marginTop="5dp"  
  android:background="#000"  
  android:text="Breakfast"  
  android:textColor="#fff"  
  android:textSize="22dp"  
  android:textStyle="bold|italic" />
```

```
<Button  
  android:id="@+id/button2"  
  android:layout_width="match_parent"  
  android:layout_height="wrap_content"  
  android:layout_marginTop="5dp"  
  android:background="#000"  
  android:text="Lunch"  
  android:textColor="#fff"  
  android:textSize="22dp"  
  android:textStyle="bold|italic" />
```

```
<Button  
  android:id="@+id/button2"  
  android:layout_width="match_parent"
```



```
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"
    android:background="#000"
    android:text="Dinner"
    android:textColor="#fff"
    android:textSize="22dp"
    android:textStyle="bold|italic" />
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginTop="15dp"
    android:text="Horizontal"
    android:textStyle="bold|italic"
    android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="right">
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"
    android:background="#000"
    android:text="Morning"
    android:textColor="#fff"
    android:textSize="22dp"
    android:textStyle="bold|italic" />
```

```
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center">
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"
    android:background="#000"
    android:text="Afternoon"
```

```
android:textColor="#fff"
android:textSize="22dp"
android:textStyle="bold|italic" />
```

```
</LinearLayout>
<LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:gravity="left">
```

```
<Button
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="5dp"
android:background="#000"
android:text="Night"
android:textColor="#fff"
android:textSize="22dp"
android:textStyle="bold|italic" />
```

```
</LinearLayout>
</LinearLayout>
</LinearLayout>
```

ACTIVITY TABLE.XML

```
<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent" >
```

```
<TextView
android:id="@+id/textView1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Admin Login"
android:gravity="center"
android:textColor="#000"
android:textSize="22dp"
android:layout_marginRight="10dp"
android:layout_marginLeft="10dp"
android:layout_marginTop="50dp"
android:textStyle="bold|italic"
android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<TableRow
android:id="@+id/tableRow1"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginRight="10dp"
android:layout_marginLeft="10dp"
android:layout_marginTop="50dp" >
```

```
<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="UserName:"
android:textSize="22dp"
android:textStyle="bold|italic"
android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<EditText
android:id="@+id/editText1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:background="#fff" >
</EditText>
</TableRow>
```

```
<TableRow
android:id="@+id/tableRow1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginRight="10dp"
android:layout_marginLeft="10dp"
android:layout_marginTop="50dp" >
```

```
<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Password:"
android:textSize="22dp"
android:textStyle="bold|italic"
android:textAppearance="?android:attr/textAppearanceLarge" />
```

```
<EditText
android:id="@+id/editText2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
```

```
android:background="#fff"
android:inputType="textPassword" />
</TableRow>
```

```
<TableRow
android:id="@+id/tableRow2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="20dp" >
```

```
<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Login"
android:background="#000"
android:textColor="#fff"
android:layout_marginRight="30dp"
android:layout_marginLeft="60dp"/>
```

```
<Button
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Cancel"
android:background="#000"
android:textColor="#fff"
android:layout_marginRight="600dp"
android:layout_marginLeft="30dp" />
</TableRow>
```

```
<TableRow
android:id="@+id/tableRow3"
android:layout_width="wrap_content"
android:layout_height="wrap_content" >
</TableRow>
</TableLayout>
```

MAINACTIVITY.JAVA

```
package com.example.layout2;
import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
```

```

public class MainActivity extends Activity {
    Button bt1, bt2, bt3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bt1=(Button)findViewById(R.id.button1);
        bt2=(Button)findViewById(R.id.button2);
        bt3=(Button)findViewById(R.id.button3);
        bt1.setOnClickListener(new View.OnClickListener() {

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

        bt2.setOnClickListener(new View.OnClickListener() {

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

            }
        });

        bt3.setOnClickListener(new View.OnClickListener() {

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

            }
        });

        @Override
        public boolean onCreateOptionsMenu(Menu menu) {
            // Inflate the menu; this adds items to the action bar if it is present.

```

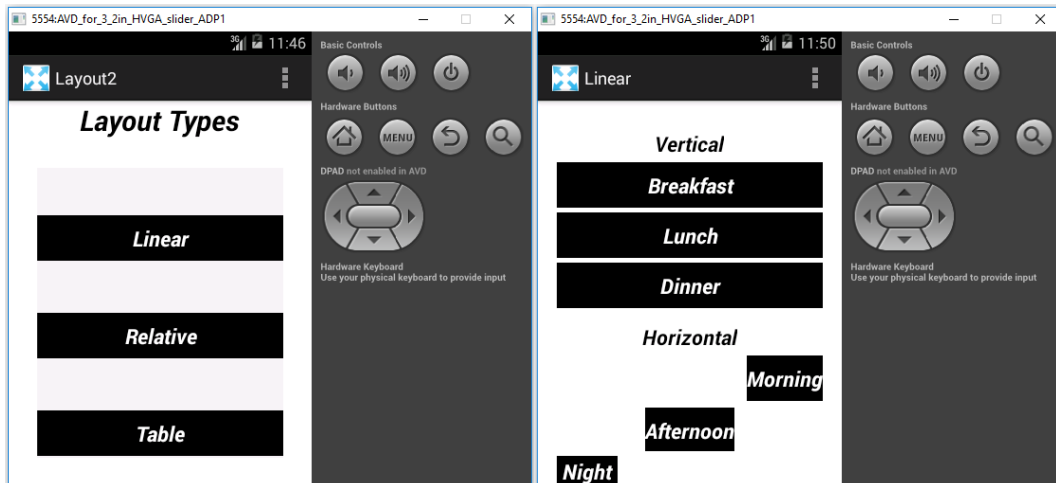
```

getMenuInflater().inflate(R.menu.main, menu);
return true;
}

}

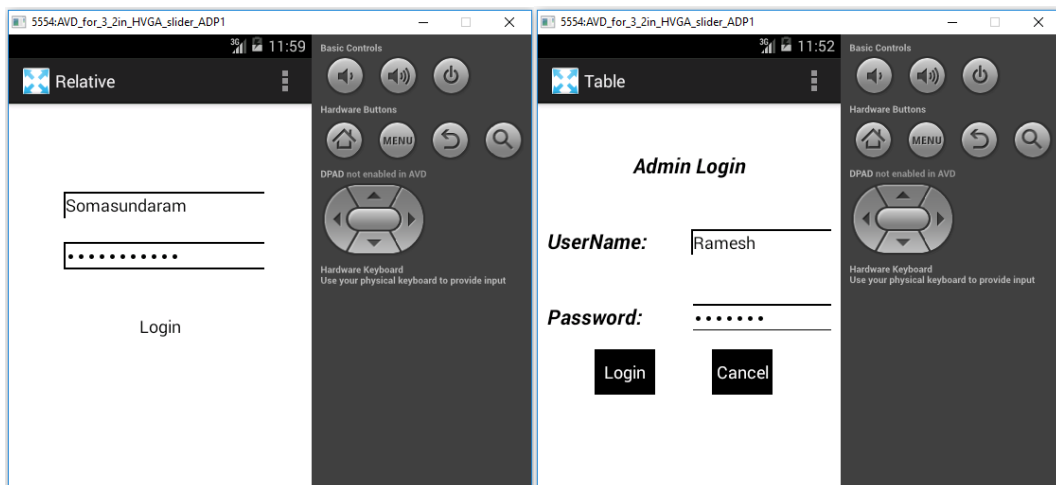
```

OUTPUT



MainActivity.java

Linear.java



Relative.java

Table.java

Ex. No. : 4 CREATING MULTIPLE ACTIVITIES WITH AN APPLICATION

FIRST XML.FILE

```
<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=".FirstActivity" >
```

```
<Button
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:onClick="Ganesh"
android:text="click third activity"
android:textColor="#f50057"
tools:layout_editor_absoluteX="168dp"
android:layout_alignParentBottom="true"
android:layout_toEndOf="@+id/text"
android:layout_marginBottom="196dp" />
```

```
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Welcome to app!"
android:id="@+id/text" />
```

```
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/button"
android:text="click second activity"
android:textColor="#ff1744"
android:onClick="Ganesh"
tools:layout_editor_absoluteX="168dp"
android:layout_above="@+id/button2"
android:layout_alignStart="@+id/button2"
android:layout_marginBottom="40dp" />
</RelativeLayout>
```

```
package com.exempl.first;
```

```
import android.os.Bundle;
```

```
import android.app.Activity;
```

```

import android.content.Intent;
import android.view.Menu;
import android.widget.TextView;
import android.view.View;
import android.widget.Button;

public class FirstActivity extends Activity {
    TextView textView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_first);
        textView = (TextView) findViewById(R.id.text);
    }
    public void Ganesh(View View)
    {
        String button_text;
        button_text = ((Button)View).getText().toString();
        if(button_text.equals("click second activity"))
        {
            Intent ganesh = new Intent(this,Second.class);
            startActivity(ganesh);
        }
        else if (button_text.equals("click third activity"))
        {
            Intent mass = new Intent(this,Third.class);
            startActivity(mass);
        }
    }
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.first, menu);
    return true;
}
}

```

SECOND XML.FILE

```

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="20pt"

```



```
android:text="second acticity is working...."  
android:textAllCaps="true"  
android:textColor="#4a148c"/>
```

```
</LinearLayout>
```

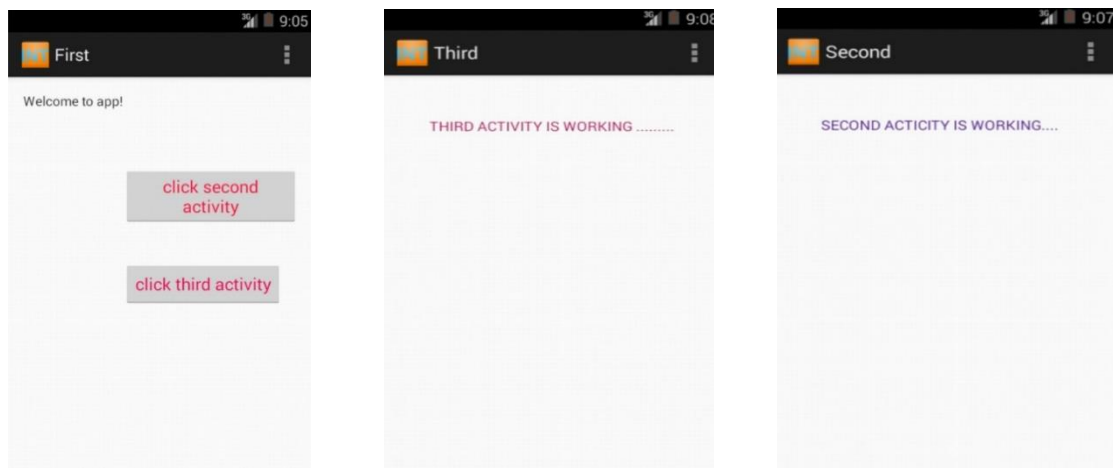
THIRD XML.FILE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="vertical" >
```

```
<TextView  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_margin="20pt"  
android:text="Third activity is working ....."  
android:textAllCaps="true"  
android:textColor="#ad1457" />
```

```
</LinearLayout>
```

OUTPUT



Ex. No. : 5 DEMONSTRATE THE USE OF SCROLL VIEW AND LIST VIEW

LIST VIEW

ACTIVITY_MAIN.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Festivals"
        android:textAppearance="?android:attr/textAppearanceLarge" />

    <ListView
        android:id="@+id/listView1"
        android:layout_width="match_parent"
        android:layout_height="match_parent" >
    </ListView>

</LinearLayout>
```

MAINACTIVITY.JAVA

```
package com.example.list2;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterViewAdapter;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends Activity {
    ListView l1;
    TextView t1;
    String[] festivals={"Diwali","Ramzon","Christmas","pongal","Bakrid","Easter"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        l1=(ListView)findViewById(R.id.listView1);
```

```

t1=(TextView)findViewById(R.id.textView1);
final ArrayAdapter adapter=new
ArrayAdapter(this,R.layout.activity_main,R.id.textView1,festivals);
l1.setAdapter(adapter);
l1.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override
public void onItemClick(AdapterView<?> arg0, View arg1, int position,
long arg3) {
// TODO Auto-generated method stub
String Value="Happy"+adapter.getItem(position);
Toast.makeText(getApplicationContext(),Value,Toast.LENGTH_LONG).show();
}
});

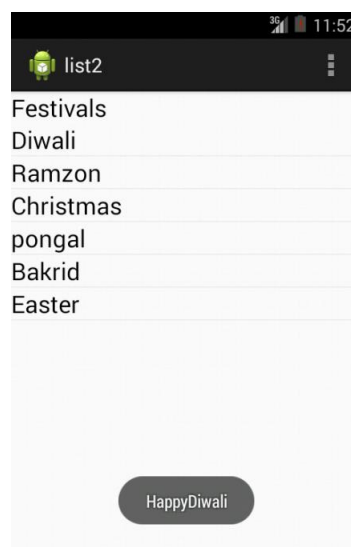
}

@Override
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



SCROLL VIEW

ACTIVITY_MAIN.XML:

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/scrollView1"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent" >

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:gravity="center"
        android:background="#fff5ff"
        android:orientation="vertical" >

        <Button
            android:id="@+id/button1"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:text="icecream"/>
        <Button
            android:id="@+id/button2"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:text="burger" />

    </LinearLayout>

</ScrollView>
```

MAINACTIVITY.JAVA

```
package com.example.scrollview1;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

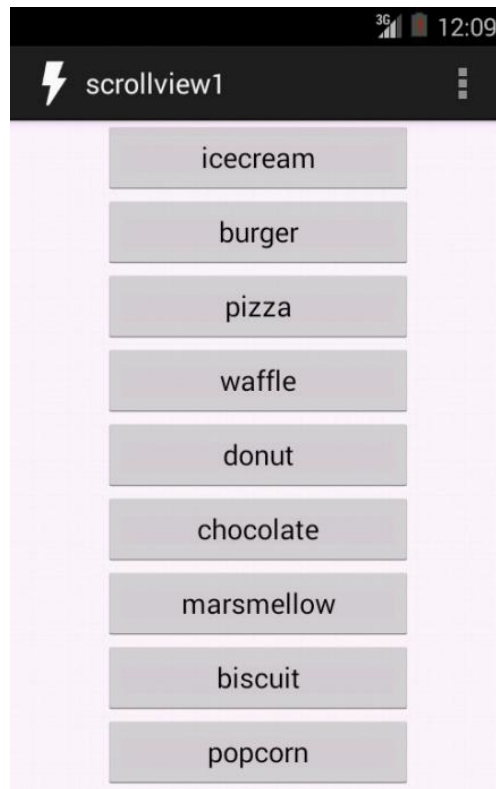
public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    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



Ex. No. : 6 ILLUSTRATE MENU IS AN APPLICATION

OPTION MENU

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=".MainActivity" >

</RelativeLayout>
```

MAINACTIVITY.JAVA

```
package com.example.menu;
import android.R.menu;
public class MainActivity extends Activity {
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    @Override
    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;
    }
    public boolean onOptionsItemSelected(MenuItem m)
    {
        switch(m.getItemId())
        {
            case R.id.help:
                Toast.makeText(getApplicationContext(),"you selected
                help",Toast.LENGTH_LONG).show();
                return true;
            case R.id.del:
```

```

Toast.makeText(getApplicationContext(),"you selected
del",Toast.LENGTH_LONG).show();
return true;
case R.id.upload:
Toast.makeText(getApplicationContext(),"you selected
upload",Toast.LENGTH_LONG).show();
return true;
case R.id.feedback:
Toast.makeText(getApplicationContext(),"you selected
feedback",Toast.LENGTH_LONG).show();
return true;
default:
return super.onOptionsItemSelected(m);
}
}
}

```

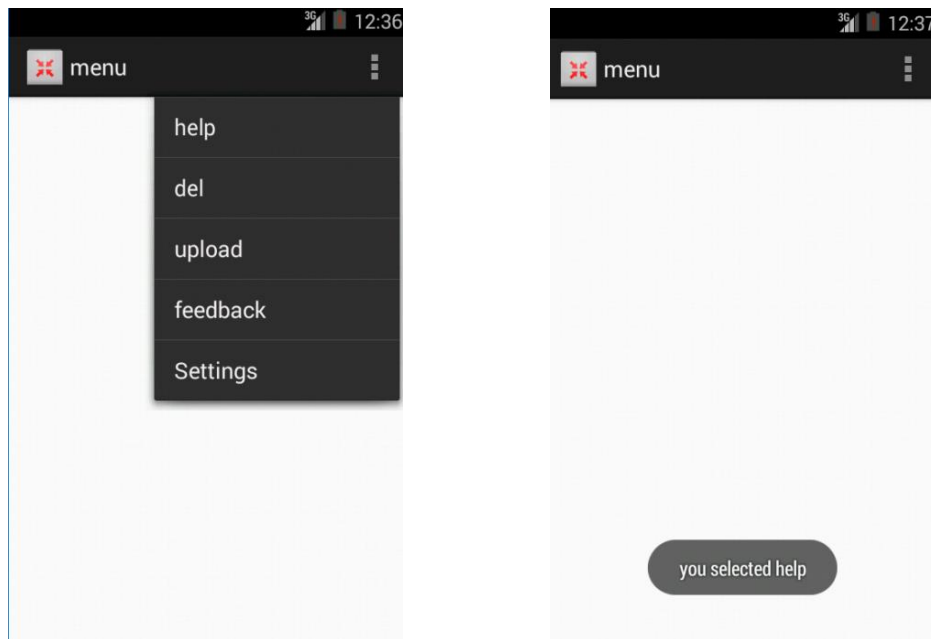
Main.xml

```

<menu xmlns:android="http://schemas.android.com/apk/res/android" >
<item
android:id="@+id/action_settings"
android:orderInCategory="100"
android:showAsAction="never"
android:title="@string/action_settings"/>
<item
android:id="@+id/help"
android:title="help"/>
<item
android:id="@+id/del"
android:title="del"/>
<item
android:id="@+id/upload"
android:title="upload"/>
<item
android:id="@+id/feedback"
android:title="feedback"/>
</menu>

```

OUTPUT



CONTEXT MENU

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=".MainActivity" >
```

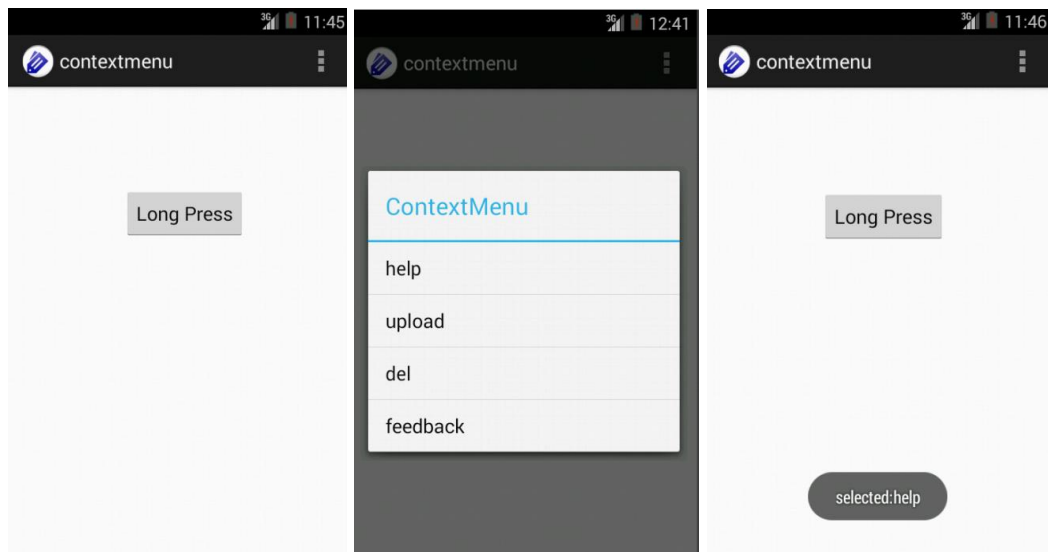
```
<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="92dp"
    android:layout_marginTop="78dp"
    android:text="Button" />
```

```
</RelativeLayout>
```


MAINACTIVITY.JAVA

```
package com.example.contextmenu;
import android.os.Bundle;
import android.app.Activity;
import android.view.ContextMenu;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.ContextMenu.ContextMenuInfo;
import android.widget.Button;
import android.widget.Toast;
public class MainActivity extends Activity {
    Button bt1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bt1=(Button)findViewById(R.id.button1);
        registerForContextMenu(bt1);
    }
    public void onCreateContextMenu(ContextMenu menu,View v,ContextMenuInfo mi)
    {
        super.onCreateContextMenu(menu, v, mi);
        menu.setHeaderTitle("ContextMenu");
        menu.add(0,v.getId(),0,"help");
        menu.add(0,v.getId(),0,"upload");
        menu.add(0,v.getId(),0,"del");
        menu.add(0,v.getId(),0,"feedback");
    }
    public boolean onOptionsItemSelected(MenuItem im)
    {
        Toast.makeText(getApplicationContext(),"selct"+im.getTitle(),Toast.LENGTH_LONG).show();
        return true;
    }
    @Override
    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



POPUP MENU

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=".MainActivity" >
```

```
<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="54dp"
    android:text="Button" />
</RelativeLayout>
```

MAINACTIVITY.JAVA

```
package com.example.popupmenu;
```

```

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.PopupMenu;
import android.widget.Toast;
public class MainActivity extends Activity {
    Button bt1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bt1=(Button)findViewById(R.id.button1);
        bt1.setOnClickListener(new View.OnClickListener() {

            public void onClick(View v) {
                // TODO Auto-generated method stub
                PopupMenu pop=new PopupMenu(MainActivity.this,v);
                pop.getMenuInflater().inflate(R.menu.main, pop.getMenu());
                pop.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {

                    public boolean onMenuItemClick(MenuItem item ) {
                        // TODO Auto-generated method stub
                        Toast.makeText(MainActivity.this,"you click:"+item.getTitle(),
                        Toast.LENGTH_LONG).show();
                        return true;
                    }
                });
                pop.show();
            }
        });
    }

    @Override
    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;
    }
}

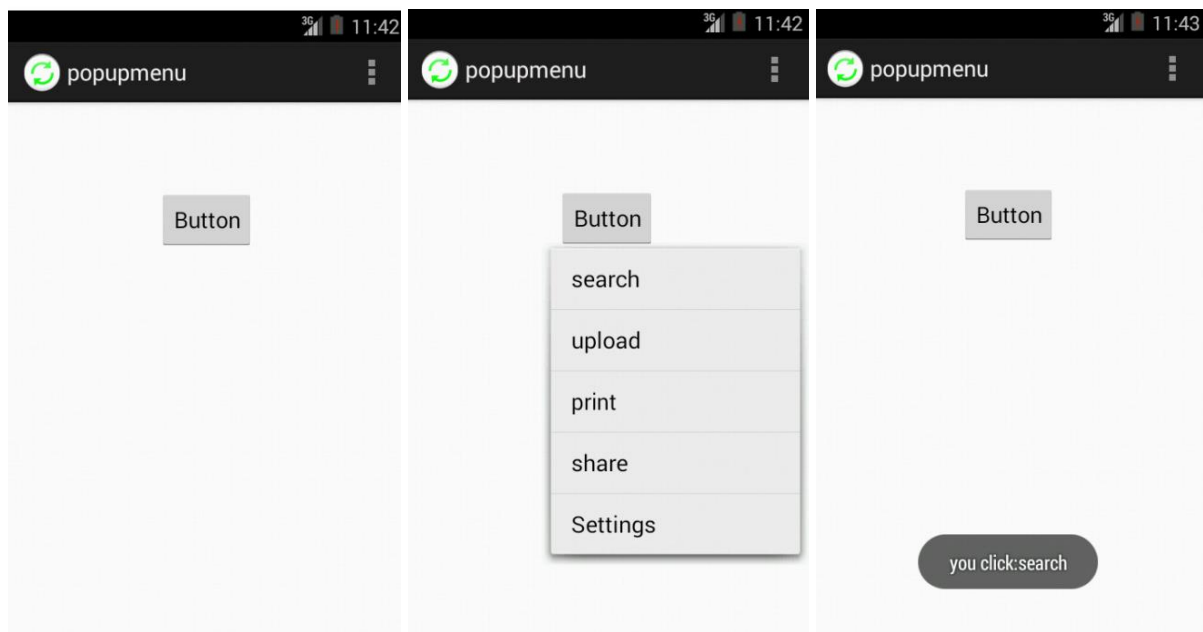
```

```
}
```

MAIN.XML

```
<menu xmlns:android="http://schemas.android.com/apk/res/android" >
<item
  android:id="@+id/action_settings"
  android:orderInCategory="100"
  android:showAsAction="never"
  android:title="@string/action_settings"/>
<item
  android:id="@+id/search"
  android:title="search"/>
<item
  android:id="@+id/upload"
  android:title="upload"/>
<item
  android:id="@+id/print"
  android:title="print"/>
<item
  android:id="@+id/share"
  android:title="share"/>
</menu>
```

OUTPUT



Ex. No. : 7 CREATE ACTIVITY WITH PORTRAIT AND LANDSCAPE MODE

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=".MainActivity" >
```

```
<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:text="Left" />
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/button1"
    android:layout_alignBottom="@+id/button1"
    android:layout_alignParentRight="true"
    android:text="Right" />
```

```
<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/button2"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="82dp"
    android:text="Center" />
```

```
<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/button3"
    android:layout_marginTop="87dp"
    android:text="BottomLeft" />
```

```
<Button
```

```
android:id="@+id/button5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBottom="@+id/button4"
android:layout_alignRight="@+id/button2"
android:text="BottomRight" />
```

```
</RelativeLayout>
```

MAIN.ACTIVITY.JAVA

```
package com.example.screenorientation;
```

```
import android.os.Bundle;
import android.app.Activity;
import android.content.pm.ActivityInfo;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
```

```
public class MainActivity extends Activity {
    Button bt1, bt2;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        addListenerButton();
    }
```

```
    private void addListenerButton() {
        // TODO Auto-generated method s
        bt1=(Button)findViewById(R.id.button1);
        bt1.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_LANDSCAPE);
        }
    });
```

```
    bt2=(Button)findViewById(R.id.button2);
    bt2.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

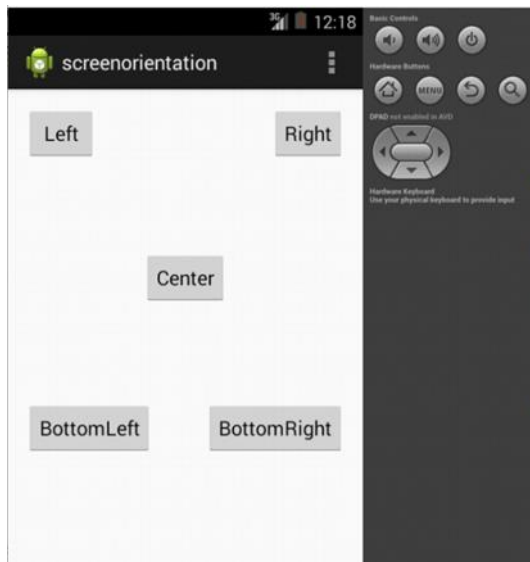
```
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_PORTRAIT
        }
    });
}
```

```

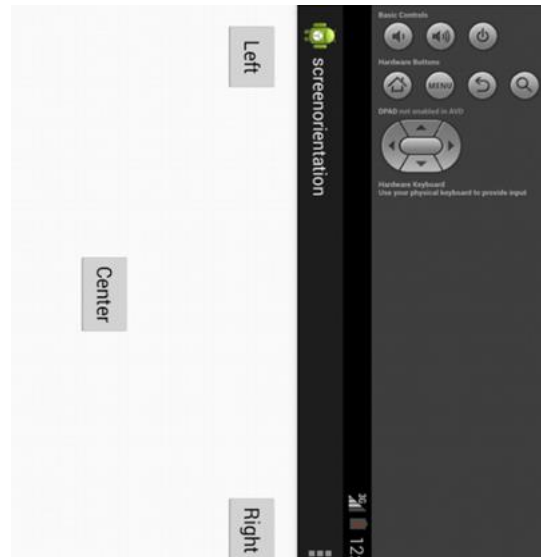
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

```

OUTPUT



PORTRAIT



LANDSCAPE

Ex. No. : 8 MAKE SMS AND PHONE CALL SERVICES

ACTIVITY.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >
    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:ems="10"
        android:inputType="phone"
        android:hint="Phone number"
        <requestFocus />
    </EditText>
    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:ems="10"
        android:inputType="textMultiLine"
        android:hint="Enter Message" />
    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:text="Send" />
</LinearLayout>
```

MAINACTIVITY.JAVA:

```
package com.example.sms;
import android.net.Uri;
import android.os.Bundle;
import android.app.Activity;
import android.app.PendingIntent;
import android.content.Intent;
import android.telephony.SmsManager;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends Activity {
    EditText et1,et2;
```



```

Button btn,btnCall;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    et1=(EditText)findViewById(R.id.editText1);
    et2=(EditText)findViewById(R.id.editText2);
    btn=(Button)findViewById(R.id.button1);
    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            String no=et1.getText().toString();
            String msg=et2.getText().toString();
            Intent intent=new Intent(getApplicationContext(),MainActivity.class);
            PendingIntent pi=PendingIntent.getActivity(getApplicationContext(), 0, intent,0);
            SmsManager sms=SmsManager.getDefault();
            sms.sendTextMessage(no,null, msg, pi, null);
            Toast.makeText(getApplicationContext(),"Message Send",Toast.LENGTH_LONG).show();
        }
    });
}

```

```

btnCall=(Button)findViewById(R.id.button3);
btnCall.setOnClickListener(new View.OnClickListener() {

```

```

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        String phoneNumber=et1.getText().toString();
        Intent intent=new Intent(Intent.ACTION_CALL,Uri.parse("tel:"+phoneNumber));
        startActivity(intent);
        Toast.makeText(getApplicationContext(), "Calling", Toast.LENGTH_LONG).show();
    }
});
}
@Override
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;
}
}

```

MANIFEST.XML

```

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

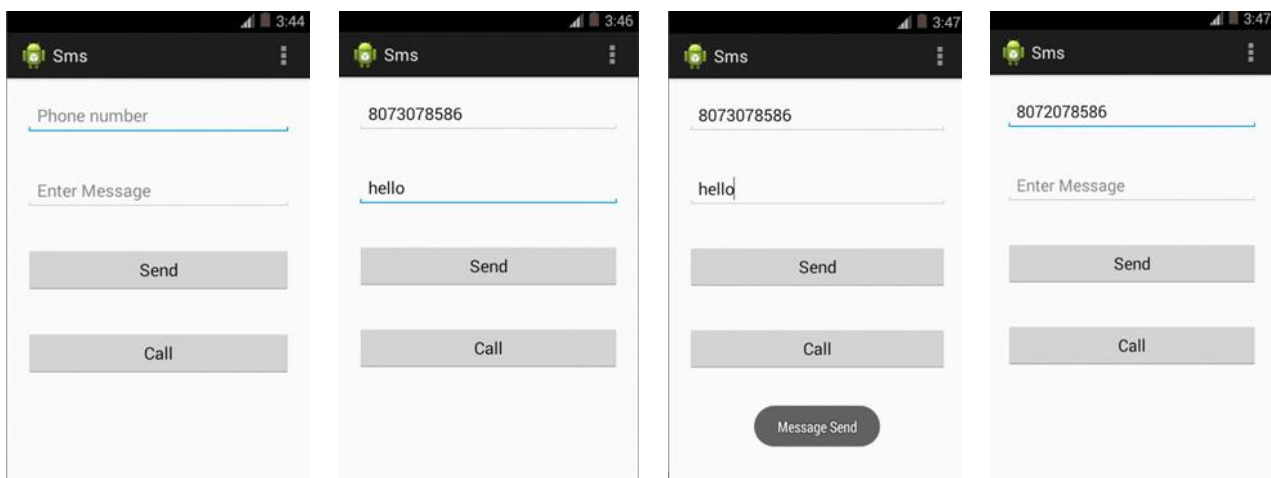
```

```

<uses-permission android:name="android.permission.RECEIVE_SMS"/>
<uses-permission android:name="android.permission.CALL_PHONE"/>
<uses-permission android:name="android.permission.READ_PHONE_STATE"/>
<uses-sdk
    android:minSdkVersion="8"
    android:targetSdkVersion="18" />
<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher"
    android:label="@string/app_name"
    android:theme="@style/AppTheme" >
    <activity
        android:name="com.example.sms.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>
</application>
</manifest>

```

OUTPUT



Ex. No. : 9 PERFORM READ, WRITE AND DELETE OPERATIONS ON SQLITE DATABASE

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=".MainActivity" >
```

```
<EditText
android:id="@+id/editText2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignRight="@+id/editText1"
android:layout_below="@+id/editText1"
android:layout_marginTop="62dp"
android:ems="10"
android:inputType="number"
android:text="Enter the phone number"/>
```

```
<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/editText1"
android:layout_below="@+id/editText2"
android:layout_marginLeft="30dp"
android:layout_marginTop="51dp"
android:text="Add" />
```

```
<EditText
android:id="@+id/editText1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_marginTop="64dp"
```

```
android:ems="10"
android:text="Enter the name" />
```

```
</RelativeLayout>
```

MAINACTIVITY.JAVA

```
package com.example.address;
import android.os.Bundle;
import android.app.Activity;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends Activity {
    EditText Name,Phone;
    Button Add;
    SQLiteDatabase sqldb;
    String Nameholder,Numberholder,Queryholder;
    Boolean EdittextEmpty;
    private boolean EditTextEmpty;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Name=(EditText)findViewById(R.id.editText1);
        Phone=(EditText)findViewById(R.id.editText2);
        Add=(Button)findViewById(R.id.button1);
        Add.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                sqldb=buildDatabase();
                sqldb.execSQL("CREATE TABLE IF NOT EXISTS address (Name TEXT,Phone TEXT);");
                sqldb.execSQL("INSERT INTO address (Name,Phone) VALUES ('"+Name+"','"+Phone+"');");
                sqldb.execSQL("SELECT * FROM address;");
                sqldb.close();
                Toast.makeText(MainActivity.this, "Data Inserted", Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

```

});
}
private void sqliteDatabaseBuild() {
// TODO Auto-generated method stub
sqldb.openOrCreateDatabase("MainActivity",Context.MODE_PRIVATE,null);
}
private void sqliteTableBuild() {
// TODO Auto-generated method stub
sqldb.execSQL("CREATE TABLE IF NOT EXISTS Contacts(id INTEGER PRIMARY
KEY AUTOINCREMENT NOT NULL, name VARCHAR,phone_no VARCHAR);");
}
private void ValidationClick() {
// TODO Auto-generated method stub
Nameholder=Name.getText().toString();
Numberholder=Phone.getText().toString();
if(TextUtils.isEmpty(Nameholder)||TextUtils.isEmpty(Numberholder))
{
EditTextEmpty=false;
}
else
{
EditTextEmpty=true;
}
}
private void InsertQueryBuild() {
// TODO Auto-generated method stub
if(EditTextEmpty==true)
{
Queryholder="INSERT INTO
Contacts(Name,Phone_no)VALUES('"+Nameholder+"','"+Numberholder+"');";
sqldb.execSQL(Queryholder);
Toast.makeText(MainActivity.this,"Details Added
Successfully",Toast.LENGTH_LONG).show();
}
else
{
Toast.makeText(MainActivity.this,"Please Fill All the
Details",Toast.LENGTH_LONG).show();
}
}
private void Clearfields() {
// TODO Auto-generated method stub
{
Name.getText().clear();
}
}

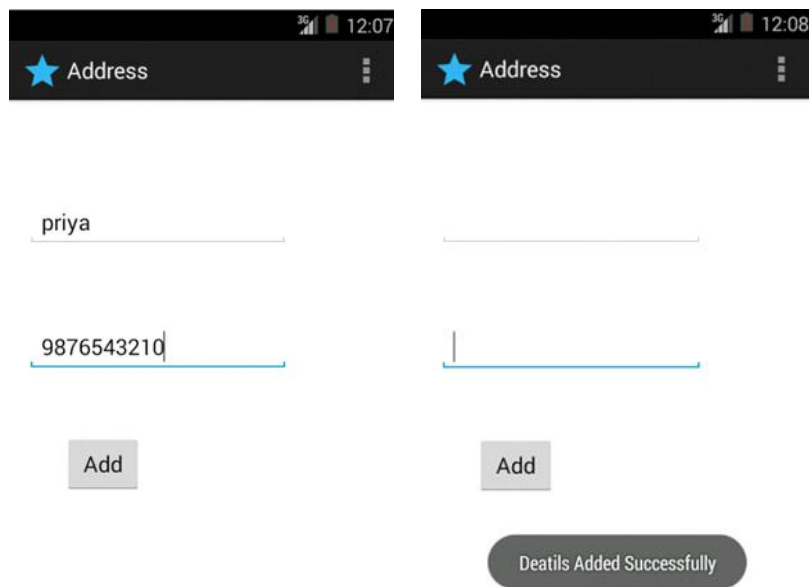
```

```

Phone.getText().clear();
}
}
@Override
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



Ex. No. : 10 CREATE AN APPLICATION WITH LOGIN AND HOMEPAGE

ACTIVITY_REG.XML

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

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/scrollView1"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent" >
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >
```

```
<TextView
    android:id="@+id/ir"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="10dp"
    android:text="ID / ROLL NUMBER"
    android:textSize="20dp"
    android:textStyle="bold" />
```

```
<EditText
    android:id="@+id/e1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="20dp"
    android:ems="10"
    android:hint="ENTER ID / ROLL NO" >
```

```
<requestFocus />
```

```
</EditText>
```

```
<TextView
    android:id="@+id/r"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="10dp"
    android:text="ROLE"
    android:textSize="20dp"
    android:textStyle="bold" />
```

```
<Spinner
    android:id="@+id/role"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />
```

```
<TextView
android:id="@+id/n"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="5dp"
android:layout_marginTop="10dp"
android:text="NAME"
android:textSize="20dp"
android:textStyle="bold" />
<EditText
android:id="@+id/e2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginBottom="10dp"
android:layout_marginTop="10dp"
android:ems="10"
android:hint="ENTER NAME"
android:inputType="textPersonName" />
<TextView
android:id="@+id/gen"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="5dp"
android:layout_marginTop="10dp"
android:text="GENDER"
android:textSize="20dp"
android:textStyle="bold" />
<RadioGroup
android:id="@+id/radioGroup1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal"
android:layout_gravity="center" >
<RadioButton
android:id="@+id/radio0"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:text="MALE" />
<RadioButton
android:id="@+id/radio1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:text="FEMALE" />
<RadioButton
android:id="@+id/radio2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="10dp"
```



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

</RadioGroup>
<TextView
    android:id="@+id/p"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="10dp"
    android:text="PHONE NUMBER"
    android:textSize="20dp"
    android:textStyle="bold" />
<EditText
    android:id="@+id/e3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="10dp"
    android:ems="10"
    android:hint="ENTER PHONE NUMBER"
    android:inputType="number" />
<TextView
    android:id="@+id/d"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="5dp"
    android:layout_marginTop="10dp"
    android:text="DATE OF BIRTH"
    android:textSize="20dp"
    android:textStyle="bold" />
<EditText
    android:id="@+id/e4"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:ems="10"
    android:hint="ENTER DOB"
    android:inputType="date" />
<TextView
    android:id="@+id/t1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="right"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="5dp"
    android:text="Eg : YYYY-MM-DD (2001-04-05)"
    android:textSize="15dp"
    android:textStyle="italic" />
<Button
    android:id="@+id/b1"
```

```

android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:text="SUBMIT" />
</LinearLayout>
</ScrollView>

```

STRING.XML

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
<string-array name="ROLE">
<item>SELECT YOUR ROLE</item>
<item>TEACHER</item>
<item>STUDENT</item>
</string-array>
</resources>

```

REG.JAVA

```

package com.example.clgportal;

```

```

import android.os.Bundle;
import android.app.Activity;
import android.content.Context;
import android.database.sqlite.*;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.widget.*;

```

```

public class Reg extends Activity implements AdapterView.OnItemClickListener{
Button b;
EditText eid;
EditText en,ep,edob;
TextView t;
Spinner r;
RadioGroup rg;
RadioButton r1;
SQLiteDatabase sql;
String rolee,roleee ;
String id,rol,name,gend,phone,dob;
Boolean empty;

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_reg);

```

```

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

```

```

eid=(EditText)findViewById(R.id.e1);
en=(EditText)findViewById(R.id.e2);
ep=(EditText)findViewById(R.id.e3);
edob=(EditText)findViewById(R.id.e4);
t=(TextView)findViewById(R.id.gen);
rg=(RadioGroup)findViewById(R.id.radioGroup1);
r1=(RadioButton)findViewById(R.id.radio0);
r=(Spinner)findViewById(R.id.role);
ArrayAdapter<CharSequence> ad =
ArrayAdapter.createFromResource(this,R.array.ROLE,android.R.layout.simple_spinner_item
);
ad.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
r.setAdapter(ad);
r.setOnItemClickListener(this);

b.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View arg0) {
// TODO Auto-generated method stub

int rgen = rg.getCheckedRadioButtonId();
r1 =(RadioButton)findViewById(rgen);

db();
crtb();
insertvd();
clr();
}
});

}

public void db() {
// TODO Auto-generated method stub
sql=openOrCreateDatabase("login",Context.MODE_PRIVATE,null);
//Toast.makeText(this,"DB CREATE",Toast.LENGTH_LONG).show();
}

public void crt看b() {
// TODO Auto-generated method stub
sql.execSQL("CREATE TABLE IF NOT EXISTS reg (id INTEGER PRIMARY KEY NOT
NULL, role VARCHAR NOT NULL, name VARCHAR NOT NULL, gender VARCHAR
NOT NULL, phno VARCHAR NOT NULL, dob TEXT NOT NULL);");
//Toast.makeText(this,"TB CREATE",Toast.LENGTH_LONG).show();
}

```

```

public void insertvd() {
// TODO Auto-generated method stub

id=eid.getText().toString();
rol=rolee;
name=en.getText().toString();
gend=r1.getText().toString();
phone=ep.getText().toString();
dob=edob.getText().toString();

if(TextUtils.isEmpty(id) || TextUtils.isEmpty(name) || TextUtils.isEmpty(gend) ||
TextUtils.isEmpty(phone) || TextUtils.isEmpty(dob)){
Toast.makeText(Reg.this,"PLEASE FILL THE FIELD",Toast.LENGTH_LONG).show();
}else{
sql.execSQL("INSERT INTO reg (id,role,name,gender,phno,dob) VALUES
('"+id+"','"+rol+"','"+name+"','"+gend+"','"+phone+"','"+dob+"');");
Toast.makeText(this,"YOUR DETAILS ADDED
SUCCESSFULLY",Toast.LENGTH_LONG).show();
}

}

```

```

public void clr() {
// TODO Auto-generated method stub
eid.getText().clear();
en.getText().clear();
ep.getText().clear();
edob.getText().clear();
}

```

```

@Override
public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,
long arg3) {
// TODO Auto-generated method stub
rolee = arg0.getItemAtPosition(arg2).toString();
//Toast.makeText(this,text,Toast.LENGTH_LONG).show();
}

```

```

@Override
public void onNothingSelected(AdapterView<?> arg0) {
// TODO Auto-generated method stub

}

}

```

ACTIVITY_HOME.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=".Home"
android:layout_gravity="center">

<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_centerVertical="true"
android:text="Welcome to Home Page"
android:textStyle="bold|italic"
android:textSize="20dp"/>

</RelativeLayout>
```

ACTIVITY_LOGIN.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >

<Button
android:id="@+id/reg1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:layout_gravity="right"
android:text="REGISTER" />

<LinearLayout
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical"
android:gravity="center" >

<EditText
android:id="@+id/id"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginBottom="10dp"
android:hint="ENTER ID"
```

```
android:ems="10" >
```

```
<requestFocus />
```

```
</EditText>
```

```
<EditText
```

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

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:layout_marginTop="10dp"
```

```
android:layout_marginBottom="10dp"
```

```
android:hint="ENTER DOB"
```

```
android:ems="10"
```

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

```
<TextView
```

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

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:layout_gravity="right"
```

```
android:textStyle="italic"
```

```
android:textSize="25dp"
```

```
android:text="Eg : YYYY-MM-DD (2001-04-05)" />
```

```
<Button
```

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

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:layout_margin="25dp"
```

```
android:text="LOG IN" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

LOGIN.JAVA

```
package com.example.clgportal;
```

```
import android.os.Bundle;
```

```
import android.annotation.SuppressLint;
```

```
import android.app.Activity;
```

```
import android.content.Context;
```

```
import android.content.Intent;
```

```
import android.database.Cursor;
```

```
import android.database.sqlite.SQLiteDatabase;
```

```
import android.view.Menu;
```

```
import android.view.MenuItem;
```

```
import android.view.View;
```

```
import android.widget.*;
```

```

@SuppressLint("NewApi")
public class LogIn extends Activity {
    Button b,b1,b2;
    EditText e1,e2;
    TextView t1;
    SQLiteDatabase sql;
    String userid,password,username;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_log_in);
        b=(Button)findViewById(R.id.login);
        e1=(EditText)findViewById(R.id.id);
        e2=(EditText)findViewById(R.id.pw);
        t1=(TextView)findViewById(R.id.eg);
        b2=(Button)findViewById(R.id.reg1);
        b.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                opendb();
                login();
            }
        });

        b2.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                Intent i = new Intent(LogIn.this,Reg.class);
                startActivity(i);
            }
        });

        public void opendb() {
            // TODO Auto-generated method stub
            sql=openOrCreateDatabase("login",Context.MODE_PRIVATE,null);
        }

        public void login() {
            // TODO Auto-generated method stub
            userid=e1.getText().toString();
            password=e2.getText().toString();

            //qr="SELECT * from reg where id=? and dob=?";

```

```

Cursor t = sql.rawQuery("SELECT * from reg where id=? and dob=?",new String[]
{userid,password});

if(t.getCount()>0 ) {
    Toast.makeText(this, "LOGIN SUCCESSFULLY",Toast.LENGTH_LONG).show();
    Intent i = new Intent(Login.this,HomeActivity.class);
    i.putExtra("ID",userid);
    startActivity(i);


} else {
    Toast.makeText(getApplicationContext(),"ID OR DOB IS
    WORNG",Toast.LENGTH_LONG).show();
}
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.log_in, menu);
    return true;
}

}

```

OUTPUT



Reg

GENDER

☒ MALE ☐ FEMALE ☐ TG

PHONE NUMBER

9123456789

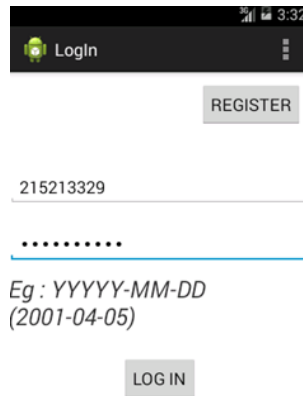
DATE OF BIRTH

1999-11-13

Eg : YYYY-MM-DD (2001-04-05)

SUBMIT

REGISTER_PAGE



Login

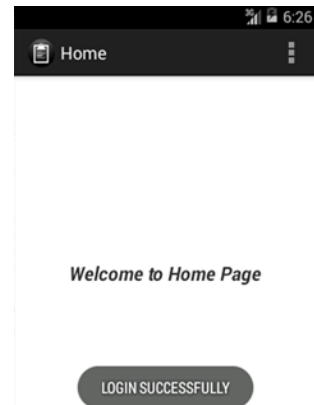
REGISTER

215213329

Eg : YYYY-MM-DD
(2001-04-05)

LOG IN

LOGIN_PAGE



Home

Welcome to Home Page

LOGIN SUCCESSFULLY

HOME_PAGE

Ex. No. : 12 REAL TIME APPLICATIONS : COLLEGE PORTAL, ONLINE QUIZ

COLLEGE PORTAL

ACTIVITY_MAIN.XML

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent" >
    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="500dp"
        android:layout_height="200dp"
        android:layout_centerHorizontal="true"
        android:src="@drawable/bishop" />
    <Button
        android:id="@+id/button1"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_alignBottom="@+id/imageView1"
        android:layout_alignLeft="@+id/textView1"
        android:text="OPTIONS"
    />
    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@+id/button1"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="24dp"
        android:text="-----"
        android:textAppearance="?android:attr/textAppearanceLarge" />
</RelativeLayout>
```

MAINACTIVITY.JAVA

```
package com.example.clgportal;
import android.os.Bundle;
import android.annotation.SuppressLint;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.PopupMenu;
import android.widget.Toast;
@SuppressLint("NewApi")
public class MainActivity extends Activity {
```

```

Button btn1;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    btn1=(Button)findViewById(R.id.button1);
    btn1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            PopupMenu popup= new PopupMenu(MainActivity.this,v);
            popup.getMenuInflater().inflate(R.menu.popu,popup.getMenu());
            popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {

                @Override
                public boolean onMenuItemClick(MenuItem item) {
                    // TODO Auto-generated method stub
                    int id=item.getItemId();
                    if(id==R.id.action_gallery){
                        Intent i=new Intent(MainActivity.this,LogIn.class);
                        startActivity(i);
                    }
                    else if(id==R.id.action_department)
                    {
                        Intent i=new Intent(MainActivity.this,DeptActivity.class);
                        startActivity(i);
                    }
                    else if(id==R.id.action_about_us)
                    {
                        Intent i=new Intent(MainActivity.this,AboutActivity.class);
                        startActivity(i);
                    }
                    return true;
                }
            });
            popup.show();
        }
    });
    @Override
    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;
    }
}

```

ACTIVITY_LOGIN.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >
    <Button
        android:id="@+id/reg1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:layout_gravity="right"
        android:text="REGISTER" />
    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="vertical"
        android:gravity="center" >

        <EditText
            android:id="@+id/id"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:hint="ENTER ID"
            android:ems="10" >

            <requestFocus />
        </EditText>

        <EditText
            android:id="@+id/pw"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:layout_marginBottom="10dp"
            android:hint="ENTER DOB"
            android:ems="10"
            android:inputType="textPassword" />

        <TextView
            android:id="@+id/eg"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="right"
            android:textStyle="italic"
            android:textSize="25dp"
            android:text="Eg : YYYY-MM-DD (2001-04-05)" />

        <Button
```

```
android:id="@+id/login"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="25dp"
android:text="LOG IN" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

LOGIN.JAVA

```
package com.example.clgportal;

import android.os.Bundle;
import android.annotation.SuppressLint;
import android.app.Activity;
import android.content.Context;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.*;

@SuppressLint("NewApi")
public class LogIn extends Activity {
    Button b,b1,b2;
    EditText e1,e2;
    TextView t1;
    SQLiteDatabase sql;
    String userid,password,username;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_log_in);
        b=(Button)findViewById(R.id.login);
        e1=(EditText)findViewById(R.id.id);
        e2=(EditText)findViewById(R.id.pw);
        t1=(TextView)findViewById(R.id.eg);
        b2=(Button)findViewById(R.id.reg1);
        b.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                opendb();
                login();
            }
        });
    }
}
```

```
}  
});
```

```
b2.setOnClickListener(new View.OnClickListener() {
```

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

```
public void opendb() {  
    // TODO Auto-generated method stub  
    sql=openOrCreateDatabase("login",Context.MODE_PRIVATE,null);  
}
```

```
public void login() {  
    // TODO Auto-generated method stub  
    userid=e1.getText().toString();  
    password=e2.getText().toString();  
  
    //qr="SELECT * from reg where id=? and dob=?";  
    Cursor t = sql.rawQuery("SELECT * from reg where id=? and dob=?",new String[]  
    {userid,password});  
  
    if(t.getCount()>0 ) {  
        Toast.makeText(this, "LOGIN SUCCESSFULLY",Toast.LENGTH_LONG).show();  
        Intent i = new Intent(Login.this,GalleryActivity.class);  
        i.putExtra("ID",userid);  
        startActivity(i);  
  
    } else {  
        Toast.makeText(getApplicationContext(),"ID OR DOB IS  
        WORNG",Toast.LENGTH_LONG).show();  
    }  
}
```

```
@Override  
public boolean onCreateOptionsMenu(Menu menu) {  
    // Inflate the menu; this adds items to the action bar if it is present.  
    getMenuInflater().inflate(R.menu.log_in, menu);  
    return true;  
}
```

```
}
```

ACTIVITY_REG.XML

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

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  
    android:id="@+id/scrollView1"  
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent" >
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:orientation="vertical" >
```

```
<TextView  
    android:id="@+id/ir"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="5dp"  
    android:layout_marginTop="10dp"  
    android:text="ID / ROLL NUMBER"  
    android:textSize="20dp"  
    android:textStyle="bold" />
```

```
<EditText  
    android:id="@+id/e1"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="10dp"  
    android:layout_marginTop="20dp"  
    android:ems="10"  
    android:hint="ENTER ID / ROLL NO" >
```

```
<requestFocus />  
</EditText>
```

```
<TextView  
    android:id="@+id/r"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="5dp"  
    android:layout_marginTop="10dp"  
    android:text="ROLE"  
    android:textSize="20dp"  
    android:textStyle="bold" />
```

```
<Spinner
android:id="@+id/role"
android:layout_width="match_parent"
android:layout_height="wrap_content" />
```

```
<TextView
android:id="@+id/n"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="5dp"
android:layout_marginTop="10dp"
android:text="NAME"
android:textSize="20dp"
android:textStyle="bold" />
```

```
<EditText
android:id="@+id/e2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginBottom="10dp"
android:layout_marginTop="10dp"
android:ems="10"
android:hint="ENTER NAME"
android:inputType="textPersonName" />
```

```
<TextView
android:id="@+id/gen"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="5dp"
android:layout_marginTop="10dp"
android:text="GENDER"
android:textSize="20dp"
android:textStyle="bold" />
```

```
<RadioGroup
android:id="@+id/radioGroup1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal"
android:layout_gravity="center" >
```

```
<RadioButton
android:id="@+id/radio0"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:text="MALE" />
```

```
<RadioButton
```

```
android:id="@+id/radio1"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_margin="10dp"  
android:text="FEMALE" />
```

```
<RadioButton  
android:id="@+id/radio2"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_margin="10dp"  
android:text="TG" />
```

```
</RadioGroup>
```

```
<TextView  
android:id="@+id/p"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="5dp"  
android:layout_marginTop="10dp"  
android:text="PHONE NUMBER"  
android:textSize="20dp"  
android:textStyle="bold" />
```

```
<EditText  
android:id="@+id/e3"  
android:layout_width="match_parent"  
android:layout_height="wrap_content"  
android:layout_marginBottom="10dp"  
android:layout_marginTop="10dp"  
android:ems="10"  
android:hint="ENTER PHONE NUMBER"  
android:inputType="number" />
```

```
<TextView  
android:id="@+id/d"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginBottom="5dp"  
android:layout_marginTop="10dp"  
android:text="DATE OF BIRTH"  
android:textSize="20dp"  
android:textStyle="bold" />
```

```
<EditText  
android:id="@+id/e4"  
android:layout_width="match_parent"  
android:layout_height="wrap_content"
```



```
android:layout_marginTop="10dp"
android:ems="10"
android:hint="ENTER DOB"
android:inputType="date" />
```

```
<TextView
android:id="@+id/t1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="right"
android:layout_marginBottom="10dp"
android:layout_marginTop="5dp"
android:text="Eg : YYYY-MM-DD (2001-04-05)"
android:textSize="15dp"
android:textStyle="italic" />
```

```
<Button
android:id="@+id/b1"
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:text="SUBMIT" />
```

```
</LinearLayout>
```

```
</ScrollView>
```

REG.JAVA

```
package com.example.clgportal;
```

```
import android.os.Bundle;
import android.app.Activity;
import android.content.Context;
import android.database.sqlite.*;
import android.text.TextUtils;
import android.view.Menu;
import android.view.View;
import android.widget.*;
```

```
public class Reg extends Activity implements AdapterView.OnItemClickListener{
```

```
    Button b;
    EditText eid;
    EditText en,ep,edob;
    TextView t;
    Spinner r;
    RadioGroup rg;
    RadioButton r1;
    SQLiteDatabase sql;
```

```
String rolee,roleee ;
String id,rol,name,gend,phone,dob;
Boolean empty;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_reg);
```

```
    b=(Button)findViewById(R.id.b1);
    eid=(EditText)findViewById(R.id.e1);
    en=(EditText)findViewById(R.id.e2);
    ep=(EditText)findViewById(R.id.e3);
    edob=(EditText)findViewById(R.id.e4);
    t=(TextView)findViewById(R.id.gen);
    rg=(RadioGroup)findViewById(R.id.radioGroup1);
    r1=(RadioButton)findViewById(R.id.radio0);
    r=(Spinner)findViewById(R.id.role);
    ArrayAdapter<CharSequence> ad =
    ArrayAdapter.createFromResource(this,R.array.ROLE,android.R.layout.simple_spinner_item
    );
    ad.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
    r.setAdapter(ad);
    r.setOnItemSelectedListener(this);
```

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

```
@Override
```

```
public void onClick(View arg0) {
    // TODO Auto-generated method stub
```

```
int rgen = rg.getCheckedRadioButtonId();
r1 =(RadioButton)findViewById(rgen);
```

```
db();
crtb();
insertvd();
clr();
}
});
```

```
}
```

```
public void db() {
    // TODO Auto-generated method stub
    sql=openOrCreateDatabase("login",Context.MODE_PRIVATE,null);
    //Toast.makeText(this,"DB CREATE",Toast.LENGTH_LONG).show();
}
```

```
public void crtbt() {  
    // TODO Auto-generated method stub  
    sql.execSQL("CREATE TABLE IF NOT EXISTS reg (id INTEGER PRIMARY KEY NOT  
    NULL, role VARCHAR NOT NULL, name VARCHAR NOT NULL, gender VARCHAR  
    NOT NULL, phno VARCHAR NOT NULL, dob TEXT NOT NULL);");  
    //Toast.makeText(this, "TB CREATE", Toast.LENGTH_LONG).show();  
}
```

```
public void insertvtd() {  
    // TODO Auto-generated method stub
```

```
    id=eid.getText().toString();  
    rol=rolee;  
    name=en.getText().toString();  
    gend=r1.getText().toString();  
    phone=ep.getText().toString();  
    dob=edob.getText().toString();
```

```
    if(TextUtils.isEmpty(id) || TextUtils.isEmpty(name) || TextUtils.isEmpty(gend) ||  
    TextUtils.isEmpty(phone) || TextUtils.isEmpty(dob)){  
        Toast.makeText(Reg.this, "PLEASE FILL THE FIELD", Toast.LENGTH_LONG).show();  
    }else{  
        sql.execSQL("INSERT INTO reg (id,role,name,gender,phno,dob) VALUES  
        ("'+id+'", "'+rol+'", "'+name+'", "'+gend+'", "'+phone+'", "'+dob+'");");  
        Toast.makeText(this, "YOUR DETAILS ADDED  
        SUCCESSFULLY", Toast.LENGTH_LONG).show();  
    }  
  
}
```

```
public void clr() {  
    // TODO Auto-generated method stub  
    eid.getText().clear();  
    en.getText().clear();  
    ep.getText().clear();  
    edob.getText().clear();  
}
```

```
@Override  
public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,  
long arg3) {  
    // TODO Auto-generated method stub  
    rolee = arg0.getItemAtPosition(arg2).toString();  
    //Toast.makeText(this, text, Toast.LENGTH_LONG).show();  
}
```

```
@Override
public void onNothingSelected(AdapterView<?> arg0) {
// TODO Auto-generated method stub

}

}
```

ACTIVITY_GALLERY.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="GALLERY" />

    <Gallery
        android:id="@+id/gallery1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/clg1" />

</LinearLayout>
```

GALLERYACTIVITY.JAVA

```
package com.example.clgportal;

import android.os.Bundle;
import android.app.Activity;
import android.content.Context;
import android.view.Menu;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.BaseAdapter;
import android.widget.Gallery;
```

```

import android.widget.ImageView;
import android.widget.Toast;

public class GalleryActivity extends Activity {
    Integer[]
    imageResource={R.drawable.clg1,R.drawable.clg2,R.drawable.clg3,R.drawable.clg4,R.draw
    able.clg5,R.drawable.clg6,R.drawable.clg7};
    ImageView img;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_gallery);
        Gallery gallery=(Gallery)findViewById(R.id.gallery1);
        img=(ImageView)findViewById(R.id.imageView1);
        gallery.setAdapter(new ImageAdapter(this));
        img.setImageResource(imageResource[0]);
        gallery.setOnItemClickListener(new AdapterView.OnItemClickListener() {

            public void onItemClick(AdapterView parent,View v,int i,long id){
                img.setImageResource(imageResource[i]);
                int imagePosition=i + 1;
                Toast.makeText(getApplicationContext(),"You Have Selected Image="+
                imagePosition,Toast.LENGTH_LONG).show();
            }

        });

    }
    public class ImageAdapter extends BaseAdapter
    {
        private Context mContext;
        public ImageAdapter(Context context)
        {
            mContext=context;
        }
        @Override
        public int getCount() {
            return imageResource.length;
        }
        @Override
        public Object getItem(int position) {
            return position;
        }
        @Override
        public long getItemId(int position) {
            return position;
        }
        @Override
        public View getView (int position, View arg1, ViewGroup arg2) {

```

```

ImageView mgalleryView = new ImageView(mcontext);
mgalleryView.setImageResource(imageResource[position]);
mgalleryView.setLayoutParams(new Gallery.LayoutParams(150, 150));
mgalleryView.setScaleType(ImageView.ScaleType.CENTER_INSIDE);
mgalleryView.setPadding(3, 3, 3, 3);
return mgalleryView;
}
}

```

```

@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.gallery, menu);
return true;
}
}

```

ACTIVITY_DEPT.XML

```

<ListView xmlns:android="http://schemas.android.com/apk/res/android"
android:id="@+id/listView1"
android:layout_width="fill_parent"
android:layout_height="fill_parent" >

</ListView>

```

DEPTACTIVITY.JAVA

```

package com.example.clgportal;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;
public class DeptActivity extends Activity {
    ListView l;
    TextView t;
    String[] a={"M.A. ENGLISH","M.B.A","M.COM","M.SC. PHYSICS","M.SC.COMPUTER
SCIENCE","MCA","M.SC. INFORMATION TECHNOLOGY"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_dept);
        l=(ListView)findViewById(R.id.listView1);
        t=(TextView)findViewById(R.id.textView1);
    }
}

```

```

final ArrayAdapter ao=new ArrayAdapter(this,R.layout.list,R.id.textView1,a);
l.setAdapter(ao);
l.setOnItemClickListener(new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,
    long arg3) {
        // TODO Auto-generated method stub
        Toast.makeText(DeptActivity.this,"you select
        "+arg0.getItemAtPosition(arg2),Toast.LENGTH_LONG).show();
    }
});
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.dept, menu);
    return true;
}
}

```

ACTIVITY_ABOUT.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=".AboutActivity"
    android:background="#99ffcc" >

```

```

<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="ABOUT_US"
    android:textAppearance="?android:attr/textAppearanceLarge" />

```

```

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textView1"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="20dp"

```

```

android:textAlignment="center"
android:text="    Bishop Heber College is a Religious minority educational institution
established by the Tiruchirapalli - Thanjavur Diocese of the Church of South India. The
College now offers Thirteen Under-Graduate, eighteen Post-Graduate and three Diploma
Programmes of study beside research programmes leading th M.phil and Ph.D degress" />

```

```

<TextView
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/textView2"
android:layout_below="@+id/textView2"
android:layout_marginTop="19dp"
android:text="CONTACT_US"
android:textAppearance="?android:attr/textAppearanceMedium" />

```

```

<TextView
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView3"
android:layout_marginTop="16dp"
android:text="Bishop Heber College\n Post Box No.615,\n Tiruchirapalli- 620017\n Tamil
Nadu, South India.\n Ph: 0431-2770136" />

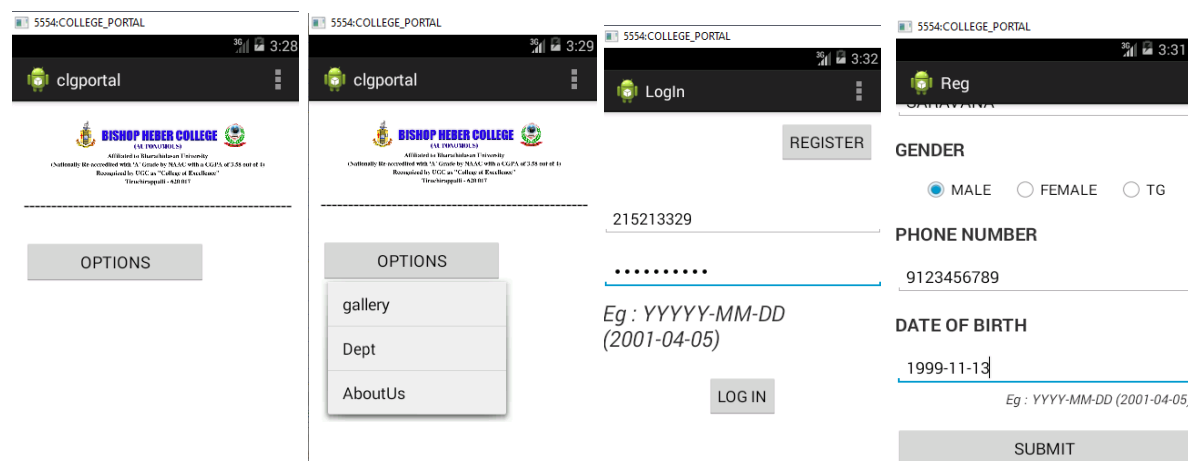
```

```

</RelativeLayout>

```

OUTPUT



HOME PAGE

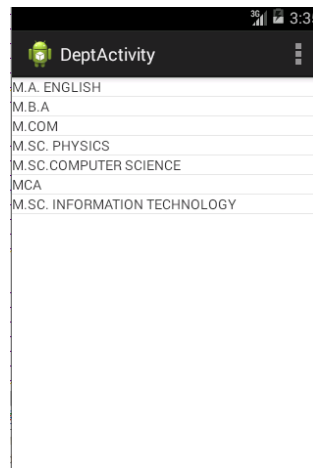
OPTION MENU

LOGIN PAGE

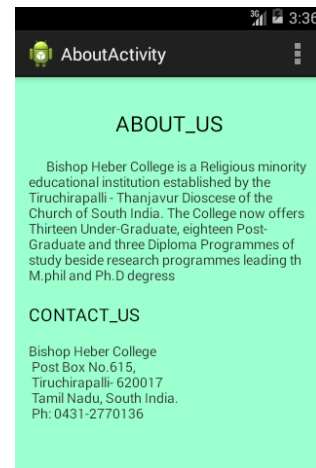
REGISTER PAGE



GALLERY_PAGE



DEPARTMENT_PAGE



ABOUT US_PAGE

ONLINE QUIZ

ACTIVITY_MAIN.XML

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="#ffcc99">
```

```
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="5dp"
    android:text="Medium Text"
    android:textAppearance="?android:attr/textAppearanceMedium" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:gravity="center" >
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:layout_gravity="center"
    android:text="Large Text"
```

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

```
</LinearLayout>
```

```
<LinearLayout  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:orientation="vertical"  
    android:layout_marginTop="25dp"  
    android:gravity="center"  
    android:padding="10dp"  
>
```

```
<Button  
    android:id="@+id/button1"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:onClick="false"  
    android:text="Button" />
```

```
<Button  
    android:id="@+id/button2"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:onClick="false"  
    android:text="Button" />
```

```
<Button  
    android:id="@+id/button3"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:onClick="false"  
    android:text="Button" />
```

```
<Button  
    android:id="@+id/button4"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="10dp"  
    android:onClick="false"  
    android:text="Button" />
```

```
</LinearLayout>
```

```
<Button  
    android:id="@+id/button5"  
    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_gravity="right"
android:layout_margin="5dp"
android:text="SUBMIT" />
```

```
</LinearLayout>
```

MAINACTIVITY.JAVA

```
package com.example.quizapp;
```

```
import android.os.Bundle;
import android.annotation.SuppressLint;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.graphics.Color;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.*;
```

```
@SuppressWarnings("NewApi") public class Main extends Activity implements
View.OnClickListener{
```

```
Button b1,b2,b3,b4,bs;
TextView qno, q;
```

```
int s, score=0, totq=questions.question.length, crtqidx=0;
String selans="";
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
b1=(Button)findViewById(R.id.button1);
b2=(Button)findViewById(R.id.button2);
b3=(Button)findViewById(R.id.button3);
b4=(Button)findViewById(R.id.button4);
bs=(Button)findViewById(R.id.button5);
qno=(TextView)findViewById(R.id.textView1);
q=(TextView)findViewById(R.id.textView2);
```

```
b1.setOnClickListener(this);
b2.setOnClickListener(this);
b3.setOnClickListener(this);
b4.setOnClickListener(this);
bs.setOnClickListener(this);
```

```

qno.setText("TOTAL QUESTION : "+totq);
loadques();

}

public void onClick(View v){
b1.setBackgroundColor(Color.WHITE);
b2.setBackgroundColor(Color.WHITE);
b3.setBackgroundColor(Color.WHITE);
b4.setBackgroundColor(Color.WHITE);

Button clickb = (Button) v;

if(clickb.getId()==R.id.button5){

if(selans.equals(questions.answer[crtqidx])){
score++;
}
crtqidx++;
loadques();
} else {
selans = clickb.getText().toString();
clickb.setBackgroundColor(Color.rgb(153,102,51));
}

}

public void loadques() {
// TODO Auto-generated method stub

if(crtqidx==totq){
finishquiz();
return;
}

q.setText(questions.question[crtqidx]);
b1.setText(questions.options[crtqidx][0]);
b2.setText(questions.options[crtqidx][1]);
b3.setText(questions.options[crtqidx][2]);
b4.setText(questions.options[crtqidx][3]);

}

public void finishquiz() {
String pass="";

```

```

if(score>totq*0.50){
pass="Passed";
}
else{
pass="Failed";
}
new AlertDialog.Builder(this)
.setTitle(pass)
.setMessage("Score is : "+score+" out of "+totq)
.setNeutralButton("Restart",restartQuiz())
.setCancelable(false)
.show();
}

public android.content.DialogInterface.OnClickListener restartQuiz() {
score=0;
crtqidx=0;
loadques();

return null;
}
@Override
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;
}

}

```

QUESTION.JAVA

```

package com.example.quizapp;

public class questions {

public static String question[]={
"The all-time leading scorer in NBA history is",
"Introduction of a new point scale for the ATP rankings from 2009,",
"What country has the highest life expectancy?",
"Which language has the more native speakers",
"What year was the United Nations established",
"What car manufacturer had the highest revenue in 2020",
"What is the highest-rated film on IMDb as of January 1st, 2022",
"Who discovered that the earth revolves around the sun",
"What Netflix show had the most streaming views in 2021",
"Which player has taken more wickets in cricket",
};
}

```

```

public static String options[][] = {
    {"Djokovic","Rafeal Nadal","Roger Fedrar","Andy Murry"},
    {"LeBron James","Kareem Abdul-Jabbar","Shaquille O'Neal","Stephen Curry"},
    {"Hong-Kong","China","Japan","Korea"},
    {"Korea","India","Spanish","USA"},
    {"2006","1911","1945","1999"},
    {"Honda","BMW","Lamborghini","VolksWagan"},
    {"The Tommorow war","House of the Dragon","Greyman","Avatar"},
    {"Nambi Narayanan","Isaac Newton","Nicolaus Copernicus","Albert Einstin"},
    {"Naruto","Squid Game","Hikoo","Revenge"},
    {"Mitchel Starc","Muttiah Muralitharan","Shane Warne","Lasit Malinga"},
};

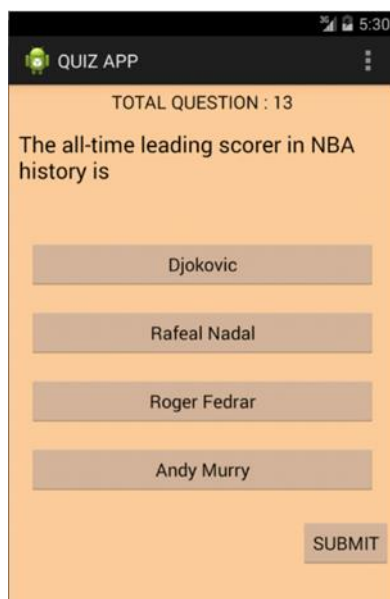
```

```

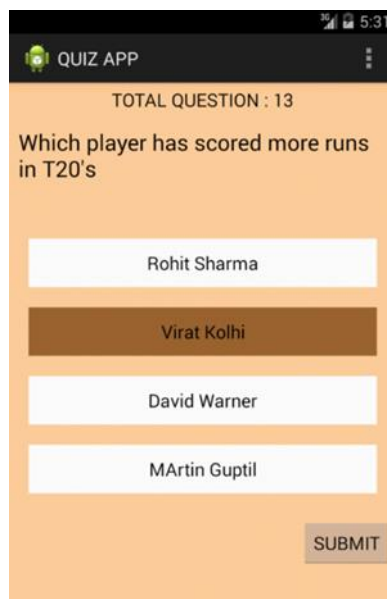
public static String answer[] = {
    "Djokovic",
    "Kareem Abdul-Jabbar",
    "Hong-Kong",
    "Spanish",
    "1945",
    "VolksWagan",
    "House of the Dragon",
    "Nicolaus Copernicus",
    "Squid Game",
    "Muttiah Muralitharan",
};
}

```

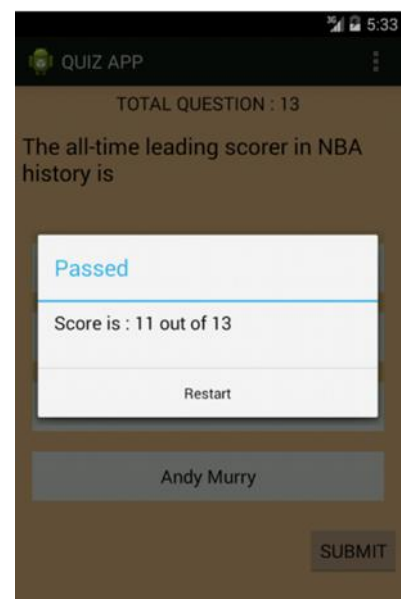
OUTPUT



QUESTIONS



SELECTED ANSWER



RESULT