

Ex No : 2.a

## Practice layouts

Date :

### Aim

### For Each Layout

1. Create a pages for each layout (with proper data) for an application of your choice
2. Run the application in your emulator and take screen shots for each

### Code

#### Linear Layout

#### Layout.xml

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:textAlignment="center"
        android:text="CALCULATE GRADE"
        android:textSize="28sp"/>

    <TextView
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="20dp"
android:layout_marginLeft="20dp"
android:text="Enter your name:"
android:textSize="20sp" />
```

```
<EditText
```

```
    android:layout_width="145dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
    android:text="Enter your marks:"
    android:textSize="20sp" />
```

```
<EditText
```

```
    android:id="@+id/marks"
    android:layout_width="145dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
/>
```

```
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="40dp"
    android:layout_marginLeft="145dp"

    android:text="SUBMIT" />

<TextView
    android:id="@+id/result"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_marginLeft="20dp"
    android:text="YOUR GRADE : "
    android:textSize="20sp" />

</LinearLayout>
```

**MainActivity.java**

```
package com.example.linear_layout;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
```

```
public class MainActivity extends AppCompatActivity {

    Button button;

    TextView result;

    EditText input;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        button = findViewById(R.id.button);

        input = findViewById(R.id.marks);

        result = findViewById(R.id.result);

        button.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                int marks = Integer.parseInt(input.getText().toString());

                if(marks>90){

                    result.setText("YOUR GRADE : S");

                }

                else if(marks>80){

                    result.setText("YOUR GRADE : A");

                }

                else if(marks>70){

                    result.setText("YOUR GRADE : B");

                }

            }

        });

    }

}
```

```
    }  
    else if(marks>60){  
        result.setText("YOUR GRADE : C");  
    }  
    else{  
        result.setText("YOUR GRADE : U");  
    }  
  
    }  
});  
  
}  
}
```

## Relative Layout

### Layout.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MainActivity"  
    android:layout_gravity="bottom">  
  
    <TextView  
        android:id="@+id/textView"  
        android:layout_width="103dp"  
        android:layout_height="wrap_content"
```

```
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_marginStart="139dp"
android:layout_marginTop="40dp"
android:layout_marginEnd="169dp"
android:text="CONVERTER"
android:textSize="17sp" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_marginStart="155dp"
android:layout_marginTop="12dp"
android:layout_marginEnd="187dp"
android:text="CM TO INCH"
android:textSize="12sp" />
```

<EditText

```
android:id="@+id/editTextNumber"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView2"
android:layout_alignParentEnd="true"
android:layout_marginTop="62dp"
```

```
android:layout_marginEnd="5dp"  
android:ems="10"  
android:inputType="numberDecimal" />
```

```
<EditText
```

```
    android:id="@+id/editTextNumber2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/editTextNumber"  
    android:layout_alignParentEnd="true"  
    android:layout_alignParentBottom="true"  
    android:layout_marginTop="78dp"  
    android:layout_marginEnd="7dp"  
    android:layout_marginBottom="409dp"  
    android:ems="10"  
    android:inputType="numberDecimal" />
```

```
<TextView
```

```
    android:id="@+id/textView3"  
    android:layout_width="43dp"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/textView2"  
    android:layout_alignParentStart="true"  
    android:layout_marginStart="88dp"  
    android:layout_marginTop="68dp"  
    android:layout_marginEnd="66dp"  
    android:layout_toStartOf="@+id/editTextNumber"  
    android:text="CM" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="43dp"
    android:layout_height="24dp"
    android:layout_below="@+id/textView3"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="88dp"
    android:layout_marginTop="109dp"
    android:layout_marginEnd="66dp"
    android:layout_marginBottom="419dp"
    android:layout_toStartOf="@+id/editTextNumber"
    android:text="INCH" />
```

```
</RelativeLayout>
```

### **MainActivity.java**

```
package com.example.relative_layout;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {
```



```
EditText cm;

EditText inch;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_main);

    cm = findViewById(R.id.editTextNumber);

    inch = findViewById(R.id.editTextNumber2);

    cm.addTextChangedListener(new TextWatcher() {

        @Override

        public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {

        }

    })

    @Override

    public void onTextChanged(CharSequence s, int i, int i1, int i2) {

        if (getCurrentFocus() == cm) {

            if (s.length() != 0) {

                double cm_num = Double.parseDouble(s.toString());

                double inch_num = cm_num * 0.393701;

                inch.setText(String.valueOf(inch_num));

            }

        }

    }

    @Override

    public void afterTextChanged(Editable editable) {

    }

}
```

```
});  
  
inch.addTextChangedListener(new TextWatcher() {  
    @Override  
    public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {  
  
    }  
  
    @Override  
    public void onTextChanged(CharSequence s, int i, int i1, int i2) {  
        if (getCurrentFocus() == inch) {  
            if (s.length() != 0) {  
                double cm_num = Double.parseDouble(s.toString());  
                double inch_num = cm_num * 2.54;  
                cm.setText(String.valueOf(inch_num));  
            }  
        }  
    }  
  
    @Override  
    public void afterTextChanged(Editable editable) {  
  
    }  
});  
}  
}
```

## Frame Layout

### Layout.xml

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

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

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

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".MainActivity">

    <ImageView

        android:id="@+id/imageView"

        android:layout_width="match_parent"

        android:layout_height="match_parent"

        app:srcCompat="@drawable/i3"

        android:adjustViewBounds="true"

    />

    <ImageView

        android:id="@+id/imageView2"

        android:layout_width="match_parent"

        android:layout_height="match_parent"

        app:srcCompat="@drawable/i7"

        android:adjustViewBounds="true"

    />

    <Button

        android:id="@+id/button"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_gravity="bottom"
```

```
android:text="CHANGE BACKGROUND" />
```

```
</FrameLayout>
```

### **MainActivity.java**

```
package com.example.frame_layout;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

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

```
import android.widget.Button;
```

```
import android.widget.ImageView;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    ImageView i1;
```

```
    ImageView i2;
```

```
    Button b;
```

```
    int flag=0;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        i1 = findViewById(R.id.imageView);
```

```
        i2 = findViewById(R.id.imageView2);
```

```
        b = findViewById(R.id.button);
```

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

```
            @Override
```

```
            public void onClick(View view) {
```

```
        if(flag==0){
            i2.setVisibility(View.INVISIBLE);
            flag=1;
        }
        else{
            i2.setVisibility(View.VISIBLE);
        }
    }
    });
}
}
```

## Table Layout

### Layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TableRow android:layout_width="285dp">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="CALCULATOR"
            >
```

```
</TextView>
```

```
</TableRow>
```

```
<TableRow
```

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

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

```
    android:layout_marginTop="120dp">
```

```
<TextView
```

```
    android:layout_width="111dp"
```

```
    android:text="NUM 1" />
```

```
<EditText
```

```
    android:id="@+id/e1"
```

```
    android:layout_width="106dp" />
```

```
<TextView
```

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

```
    android:text="NUM 2"
```

```
 />
```

```
<EditText
```

```
    android:id="@+id/e2"
```

```
    android:layout_width="104dp" />
```

```
</TableRow>
```

```
<TableRow
```

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

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

```
>
```

```
<Button
```

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

```
    android:layout_width="16dp"
```

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

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

```
<Button
```

```
    android:id="@+id/button1"
```

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

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

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

```
<Button
```

```
    android:id="@+id/button2"
```

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

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

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

```
</Button>
```

```
<Button
```

```
    android:id="@+id/button3"
```

```
    android:layout_width="72dp"
```

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

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

```
</TableRow>
```

```
<TableRow android:layout_width="137dp">
    <TextView
        android:layout_width="wrap_content"
        android:text="RESULT" />
    <TextView
        android:id="@+id/res"
        android:layout_width="wrap_content"
        android:text="0"
    />
</TableRow>
</TableLayout>
```

**MainActivity.java**

```
package com.example.table_layout;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    Button add;
    Button sub;
    Button mul;
    Button div;
    EditText num1;
```



```
EditText num2;

TextView rest;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_main);

    add = findViewById(R.id.button);

    sub = findViewById(R.id.button1);

    mul = findViewById(R.id.button2);

    div = findViewById(R.id.button3);

    num1 = findViewById(R.id.e1);

    num2 = findViewById(R.id.e2);

    rest = findViewById(R.id.res);

    add.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            int n1 = Integer.parseInt(num1.getText().toString());

            int n2 = Integer.parseInt(num2.getText().toString());

            int result = n1+n2;

            rest.setText(String.valueOf(result));

        }

    });

    sub.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {
```

```
int n1 = Integer.parseInt(num1.getText().toString());  
int n2 = Integer.parseInt(num2.getText().toString());  
int result = n1-n2;  
rest.setText(String.valueOf(result));  
}  
});
```

```
mul.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        int n1 = Integer.parseInt(num1.getText().toString());  
        int n2 = Integer.parseInt(num2.getText().toString());  
        int result = n1*n2;  
        rest.setText(String.valueOf(result));  
    }  
});
```

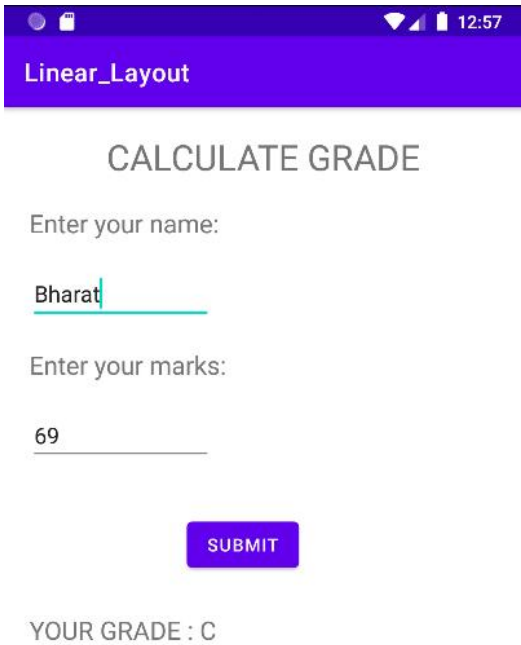
```
div.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        int n1 = Integer.parseInt(num1.getText().toString());  
        int n2 = Integer.parseInt(num2.getText().toString());  
        int result = n1/n2;  
        rest.setText(String.valueOf(result));  
    }  
});
```

}

}

## Screen Shots

### Linear Layout



Linear\_Layout

CALCULATE GRADE

Enter your name:

Bharat

Enter your marks:

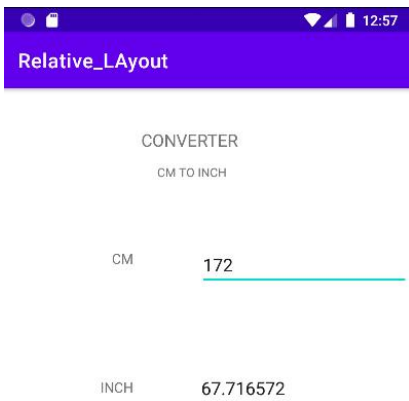
69

SUBMIT

YOUR GRADE : C

---

### Relative Layout



Relative\_LAayout

CONVERTER

CM TO INCH

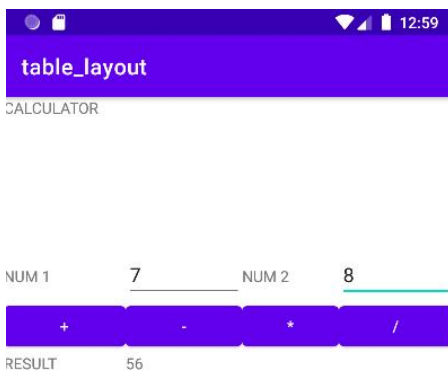
CM 172

INCH 67.716572

## Frame Layout



## Table Layout



**Result**

Ex No : 2.c

**Practice Activity and Intent**

Date :

**Aim**

1. Apply Implicit Intent with minimum 5 different Actions to your Team App
2. Apply Explicit Intent in your Team App to the following scenarios
  - a. On click of the name of the Team mate, Get the name of the Team Mate and go to a page that describes him/her. Welcome him/her with their Name
  - b. On click of About us, go to a page that describes the Strengths of your team.
  - c. Have a Voting page for your team mates. Count the no of clicks on the like button and Display the Top Ranker in the Star of the Week Page.

**Code**

Layout1.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"

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

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".MainActivity">

    <TextView

        android:id="@+id/textView"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="TEAM 7"

        android:textSize="25sp"

        app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.436"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.08" />
```

```
<TextView
```

```
    android:id="@+id/textView3"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="24dp"  
    android:text="Ashwin"  
    app:layout_constraintBottom_toTopOf="@+id/textView5"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.227"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
```

```
    android:id="@+id/textView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="32dp"  
    android:text="Navin kumar"  
    app:layout_constraintBottom_toTopOf="@+id/textView3"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.249"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
```

```
android:id="@+id/textView5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="32dp"
android:text="Naveen"
app:layout_constraintBottom_toTopOf="@+id/textView7"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.228"
app:layout_constraintStart_toStartOf="parent" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="36dp"
android:text="Vishagan"
app:layout_constraintBottom_toTopOf="@+id/button"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.24"
app:layout_constraintStart_toStartOf="parent" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="30dp"
android:text="Bharat"
app:layout_constraintBottom_toTopOf="@+id/textView4"
app:layout_constraintEnd_toEndOf="parent"
```



```
app:layout_constraintHorizontal_bias="0.224"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.954" />
```

```
<Button
```

```
    android:id="@+id/button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginEnd="52dp"  
    android:layout_marginBottom="140dp"  
    android:text="ABOUT US"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toStartOf="@+id/button2"  
    app:layout_constraintHorizontal_bias="0.846"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<Button
```

```
    android:id="@+id/button2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginEnd="64dp"  
    android:layout_marginBottom="164dp"  
    android:text="Rate US"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintTop_toTopOf="@+id/button"  
    app:layout_constraintVertical_bias="0.0" />
```

```
<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="STAR OF WEEK"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.936"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.212" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity1.java

```
package com.example.intents;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

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

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

```
import android.widget.Button;
```

```
import android.widget.TextView;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    TextView bharat;
```

```
    TextView navin;
```

```
TextView ashwin;
```

```
TextView naveen;
```

```
TextView vish;
```

```
Button b1;
```

```
Button b2;
```

```
Button b3;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_main);
```

```
    bharat = findViewById(R.id.textView6);
```

```
    navin = findViewById(R.id.textView4);
```

```
    ashwin = findViewById(R.id.textView3);
```

```
    naveen = findViewById(R.id.textView5);
```

```
    vish = findViewById(R.id.textView7);
```

```
    b1 = findViewById(R.id.button);
```

```
    b2 = findViewById(R.id.button2);
```

```
    b3 = findViewById(R.id.button3);
```

```
    Intent send = new Intent(MainActivity.this,MainActivity2.class);
```

```
    Intent send2 = new Intent(MainActivity.this,MainActivity3.class);
```

```
    Intent send3 = new Intent(MainActivity.this,MainActivity4.class);
```

```
    b1.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View view) {
```

```
            startActivity(send2);
```

```
        }
```

```
    });
```

```
b2.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        startActivity(send3);  
    }  
});  
  
b3.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        startActivity(send2);  
    }  
});  
  
bharat.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        send.putExtra("mem_name","Bharat");  
        startActivity(send);  
    }  
});  
  
navin.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
  
        send.putExtra("mem_name","Navin");  
        startActivity(send);  
    }  
});  
  
ashwin.setOnClickListener(new View.OnClickListener() {
```

```
@Override  
public void onClick(View view) {  
  
    send.putExtra("mem_name","Ashwin");  
    startActivity(send);  
}  
});  
naveen.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
  
        send.putExtra("mem_name","Naveen");  
        startActivity(send);  
    }  
});  
vish.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        send.putExtra("mem_name","Vishagan");  
        startActivity(send);  
    }  
});  
}  
}
```

Layout2.xml

```
<?xml version="1.0" encoding="utf-8"?>  
  
<androidx.constraintlayout.widget.ConstraintLayout  
xmlns:android="http://schemas.android.com/apk/res/android"  
  
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity2">
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="68dp"
    android:text="TextView"
    app:layout_constraintBottom_toTopOf="@+id/textView8"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.206" />
```

```
<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="132dp"
    android:text="textView"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.295"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<ImageView  
    android:id="@+id/imageView3"  
    android:layout_width="205dp"  
    android:layout_height="246dp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.385"  
    app:srcCompat="@drawable/a3" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity2.java

```
package com.example.intents;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

```
import android.media.Image;
```

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

```
import android.widget.ImageView;
```

```
import android.widget.TextView;
```

```
public class MainActivity2 extends AppCompatActivity {
```

```
    TextView t1;
```

```
    TextView t2;
```

```
    ImageView e1;
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);
    Intent get = getIntent();
    String name = get.getStringExtra("mem_name");
    String welcome = "Welcome "+name;

    String context = "This is "+name+" ,studying at Thiagarajar College of Engineering.Currently pursuing B.Tech
Information Technology.\nI'm currently working with team 7 for my projects.We are using \nandroid studio to
develop and deploy apps for our project";

    t1 = findViewById(R.id.textView2);
    t1.setText(welcome);
    t2 = findViewById(R.id.textView8);
    t2.setText(context);

    e1=(ImageView)findViewById(R.id.imageView3);
    e1.setImageDrawable(getDrawable(R.drawable.a1));
    //    e1.setImageResource(R.drawable.a1);
}
}
```

Layout3.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity3">
```



```
<TextView
    android:id="@+id/textView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="TEAM 7"
    android:textSize="23sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.141" />
```

```
<TextView
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="We are Students currently pursuing B.Tech Information Technology From Thiagrajar College of Engineering. \n\nThis page is a practice for option menu for our Mobile App Development Course."
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.337"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.314" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity3.java

```
package com.example.intents;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

```
public class MainActivity3 extends AppCompatActivity {
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main3);
```

```
    }
```

```
}
```

Layout4.xml

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

```
<androidx.constraintlayout.widget.ConstraintLayout
```

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

```
xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
xmlns:tools="http://schemas.android.com/tools"
```

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

```
android:layout_height="match_parent"
```

```
tools:context=".MainActivity4">
```

```
<TextView
```

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

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

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

```
    android:layout_marginBottom="36dp"
```

```
    android:text="Ashwin"
```

```
    app:layout_constraintBottom_toTopOf="@+id/textView5"
```

```
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.227"  
app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView  
    android:id="@+id/textView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="44dp"  
    android:text="Navin kumar"  
    app:layout_constraintBottom_toTopOf="@+id/textView3"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.246"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView  
    android:id="@+id/textView5"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="40dp"  
    android:text="Naveen"  
    app:layout_constraintBottom_toTopOf="@+id/textView7"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.225"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView  
    android:id="@+id/textView7"  
    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_marginBottom="252dp"
android:text="Vishagan"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.235"
app:layout_constraintStart_toStartOf="parent" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="30dp"
android:text="Bharat"
app:layout_constraintBottom_toTopOf="@+id/textView4"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.237"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="1.0" />
```

<Button

```
android:id="@+id/button4"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginBottom="16dp"
android:text="LIKE"
android:textSize="10sp"
app:layout_constraintBottom_toTopOf="@+id/button8"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toEndOf="@+id/textView6"
app:layout_constraintTop_toTopOf="@+id/textView6" />
```

<Button

```
android:id="@+id/button5"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginBottom="252dp"
android:text="LIKE"
android:textSize="10sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.47"
app:layout_constraintStart_toEndOf="@+id/textView7" />
```

<Button

```
android:id="@+id/button6"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginBottom="12dp"
android:text="LIKE"
android:textSize="10sp"
app:layout_constraintBottom_toTopOf="@+id/button5"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toEndOf="@+id/textView5" />
```

<Button

```
android:id="@+id/button7"
```

```
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginEnd="108dp"
android:layout_marginBottom="16dp"
android:text="LIKE"
android:textSize="10sp"
app:layout_constraintBottom_toTopOf="@+id/button6"
app:layout_constraintEnd_toEndOf="parent" />
```

<Button

```
android:id="@+id/button8"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginBottom="28dp"
android:text="LIKE"
android:textSize="10sp"
app:layout_constraintBottom_toTopOf="@+id/button7"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.416"
app:layout_constraintStart_toEndOf="@+id/textView4" />
```

<Button

```
android:id="@+id/button12"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="STAR OF WEEK"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.828"
```

```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.906" />
```

```
<TextView
```

```
    android:id="@+id/textView11"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="RATE"  
    android:textSize="23sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.47"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.11" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
MainActivity4.java
```

```
package com.example.intents;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

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

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

```
import android.widget.Button;
```

```
public class MainActivity4 extends AppCompatActivity {
```

```
Button b1;
Button b2;
Button b3;
Button b4;
Button st;
Button b5;
int s1,s2,s3,s4,s5;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main4);
    b1 = findViewById(R.id.button4);
    b2 = findViewById(R.id.button8);
    b3 = findViewById(R.id.button7);
    b4 = findViewById(R.id.button6);
    b5 = findViewById(R.id.button5);
    st = findViewById(R.id.button12);
    b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            s1+=1;
        }
    });
    b2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            s2+=1;
        }
    });
};
```



```
b1.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        s2+=1;  
    }  
});  
  
b1.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        s2+=1;  
    }  
});  
  
Intent i = new Intent(MainActivity4.this,MainActivity5.class);  
  
st.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        i.putExtra("bscore",s1);  
        i.putExtra("nscore",s2);  
        i.putExtra("ascore",s3);  
        i.putExtra("nascore",s4);  
        i.putExtra("vscore",s5);  
  
        startActivity(i);  
    }  
});  
}  
}
```

Layout5.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity4">
```

```
<TextView

    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="36dp"
    android:text="Ashwin"
    app:layout_constraintBottom_toTopOf="@+id/textView5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.227"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView

    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="44dp"
    android:text="Navin kumar"
    app:layout_constraintBottom_toTopOf="@+id/textView3"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.246"
```

```
app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
```

```
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="40dp"
    android:text="Naveen"
    app:layout_constraintBottom_toTopOf="@+id/textView7"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.225"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
```

```
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="252dp"
    android:text="Vishagan"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.235"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
```

```
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="30dp"
```

```
android:text="Bharat"

app:layout_constraintBottom_toTopOf="@+id/textView4"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.237"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="1.0" />
```

<TextView

```
android:id="@+id/bbscore"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginTop="148dp"
android:text="0"
android:textSize="10sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toEndOf="@+id/textView6"
app:layout_constraintTop_toTopOf="@+id/textView6" />
```

<TextView

```
android:id="@+id/vvscore"
android:layout_width="66dp"
android:layout_height="37dp"
android:layout_marginBottom="252dp"
android:text="0"
android:textSize="10sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.47"
```

```
app:layout_constraintStart_toEndOf="@+id/textView7" />
```

```
<TextView
```

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

```
    android:layout_width="66dp"
```

```
    android:layout_height="37dp"
```

```
    android:layout_marginBottom="8dp"
```

```
    android:text="0"
```

```
    android:textSize="10sp"
```

```
    app:layout_constraintBottom_toTopOf="@+id/bbscore"
```

```
    app:layout_constraintEnd_toEndOf="parent"
```

```
    app:layout_constraintStart_toEndOf="@+id/textView5" />
```

```
<TextView
```

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

```
    android:layout_width="66dp"
```

```
    android:layout_height="37dp"
```

```
    android:layout_marginEnd="108dp"
```

```
    android:layout_marginBottom="16dp"
```

```
    android:text="0"
```

```
    android:textSize="10sp"
```

```
    app:layout_constraintBottom_toTopOf="@+id/nnscore"
```

```
    app:layout_constraintEnd_toEndOf="parent" />
```

```
<TextView
```

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

```
    android:layout_width="66dp"
```

```
    android:layout_height="37dp"
```

```
    android:layout_marginBottom="28dp"
```

```
android:text="0"
android:textSize="10sp"
app:layout_constraintBottom_toTopOf="@+id/naascore"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.416"
app:layout_constraintStart_toEndOf="@+id/textView4" />
```

```
<TextView
```

```
    android:id="@+id/textView11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="RATE"
    android:textSize="23sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.47"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.11" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
MainActivity5.java
```

```
package com.example.intents;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

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

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

```
import android.widget.TextView;
```

```
public class MainActivity5 extends AppCompatActivity {

    TextView p1,p2,p3,p4,p5;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main5);

        p1= findViewById(R.id.aascore);
        p2 = findViewById(R.id.nnscore);
        p3 = findViewById(R.id.naascore);
        p4=findViewById(R.id.bbbscore);
        p5=findViewById(R.id.vvbscore);

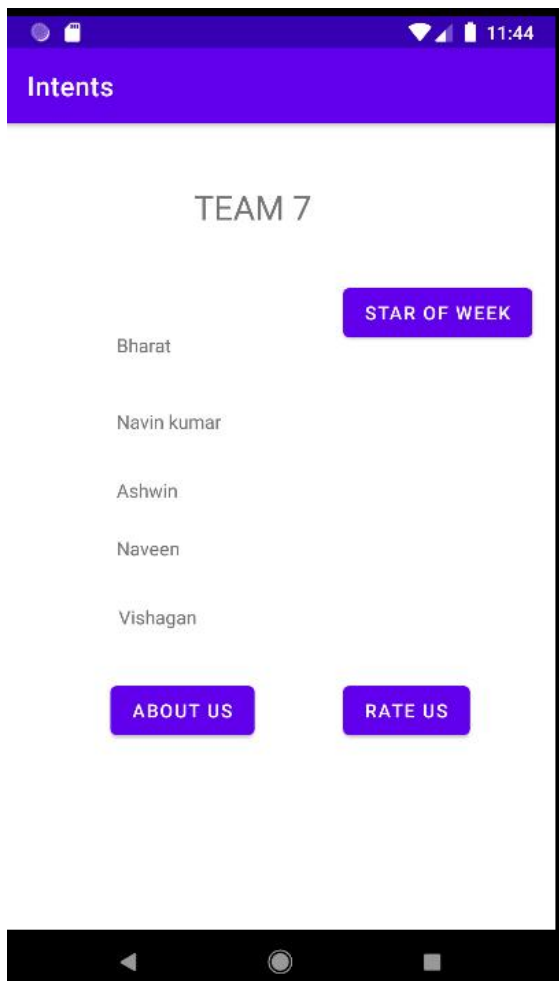
        Intent i = getIntent();
        String s1 = String.valueOf(i.getIntExtra("bscore",0));
        String s2 = String.valueOf(i.getIntExtra("nscore",0));
        String s3 = String.valueOf(i.getIntExtra("ascore",0));
        String s4 = String.valueOf(i.getIntExtra("nascore",0));
        String s5 = String.valueOf(i.getIntExtra("vbscore",0));

        p1.setText(s1);
```

```
p2.setText(s2);  
p3.setText(s3);  
p4.setText(s4);  
p5.setText(s5);  
}  
}
```



## Screen Shots





Welcome Bharat



This is Bharat ,studying at Thiagarajar College of Engineering.Currently pursuing B.Tech Information Technology. I'm currently working with team 7 for my projects.We are using android studio to develop and deploy apps for our project



## TEAM 7

We are Students currently pursuing B.Tech Information Technology From Thiagarajar College of Engineering.

This page is a practice for option menu for our Mobile App Development Course.





## RATE

Bharat

LIKE

Navin kumar

LIKE

Ashwin

LIKE

Naveen

LIKE

Vishagan

LIKE

STAR OF WEEK



Intents

## RATE

Bharat

0

Navin kumar

3

Ashwin

0

Naveen

0

Vishagan

0

## **Result**

Thus the program has executed successfully.