

## Play Cards-

activity\_main.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">

    <EditText
        android:id="@+id/n5"
        android:layout_width="50dp"
        android:layout_height="45dp"
        android:layout_marginTop="48dp"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toEndOf="@+id/n4"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="338dp"
        android:layout_height="84dp"
        android:layout_marginTop="84dp"
        android:text="Play Cards"
        android:textSize="60sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.493"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/n3"
        android:layout_width="50dp"
        android:layout_height="45dp"
        android:layout_marginTop="48dp"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintEnd_toStartOf="@+id/n4"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toEndOf="@+id/n2"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
        android:id="@+id/n1"
        android:layout_width="50dp"
        android:layout_height="45dp"
        android:layout_marginTop="48dp"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintEnd_toStartOf="@+id/n2"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
        android:id="@+id/n2"
        android:layout_width="50dp"
```

```
    android:layout_height="45dp"
    android:layout_marginTop="48dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/n3"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/n1"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<EditText

```
    android:id="@+id/n4"
    android:layout_width="50dp"
    android:layout_height="45dp"
    android:layout_marginTop="48dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/n5"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/n3"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<Button

```
    android:id="@+id/sc"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="48dp"
    android:text="Select Cards"
    app:layout_constraintEnd_toStartOf="@+id/sort"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/n2"
    tools:ignore="MissingConstraints" />
```

<Button

```
    android:id="@+id/sort"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="48dp"
    android:text="Sort"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/sc"
    app:layout_constraintTop_toBottomOf="@+id/n4"
    tools:ignore="MissingConstraints" />
```

<TextView

```
    android:id="@+id/sum"
    android:layout_width="122dp"
    android:layout_height="67dp"
    android:text="SUM"
    android:textSize="50sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/n6"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/sc"
    tools:ignore="MissingConstraints" />
```

<EditText

```
    android:id="@+id/n6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="164dp"
    android:ems="10"
    android:inputType="number"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toEndOf="@+id/sum"
app:layout_constraintTop_toBottomOf="@+id/sort" />
```

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

activity\_main2.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/textView"
    android:layout_width="338dp"
    android:layout_height="84dp"
    android:layout_marginTop="80dp"
    android:text="Play Cards"
    android:textSize="60sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.493"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/nm3"
    android:layout_width="45dp"
    android:layout_height="44dp"
    android:layout_marginTop="44dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/nm4"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/nm2"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<EditText
    android:id="@+id/nm4"
    android:layout_width="45dp"
    android:layout_height="44dp"
    android:layout_marginTop="44dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/nm5"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/nm3"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<EditText
    android:id="@+id/nm5"
    android:layout_width="45dp"
    android:layout_height="44dp"
    android:layout_marginTop="44dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/nm4"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

```
<EditText
    android:id="@+id/nm2"
    android:layout_width="45dp"
    android:layout_height="44dp"
    android:layout_marginTop="44dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/nm3"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/nm1"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<EditText
    android:id="@+id/nm1"
    android:layout_width="45dp"
    android:layout_height="44dp"
    android:layout_marginTop="44dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/nm2"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<Button
    android:id="@+id/reply"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="96dp"
    android:text="Reply"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/nm3"
    tools:ignore="MissingConstraints" />

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

#### MainActivity.java-

```
package com.lab4.playcards;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

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

import java.util.Random;

public class MainActivity extends AppCompatActivity {

    EditText e1,e2,e3,e4,e5,e6;
    Button b1,b2;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```
e1=findViewById(R.id.n1);
e2=findViewById(R.id.n2);
e3=findViewById(R.id.n3);
e4=findViewById(R.id.n4);
e5=findViewById(R.id.n5);
e6=findViewById(R.id.n6);
b1=findViewById(R.id.sc);
b2=findViewById(R.id.sort);
t1=findViewById(R.id.sum);
Random rand = new Random();
int maxRange=13;
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(String.valueOf(rand.nextInt(maxRange)));
        e2.setText(String.valueOf(rand.nextInt(maxRange)));
        e3.setText(String.valueOf(rand.nextInt(maxRange)));
        e4.setText(String.valueOf(rand.nextInt(maxRange)));
        e5.setText(String.valueOf(rand.nextInt(maxRange)));
    }
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new
Intent(getApplicationContext(),MainActivity2.class);
        intent.putExtra("num1",Integer.parseInt(e1.getText().toString()));
        intent.putExtra("num2",Integer.parseInt(e2.getText().toString()));
        intent.putExtra("num3",Integer.parseInt(e3.getText().toString()));
        intent.putExtra("num4",Integer.parseInt(e4.getText().toString()));
        intent.putExtra("num5",Integer.parseInt(e5.getText().toString()));
        startActivityForResult(intent,0);
    }
});
}
@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent
data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode == 0)
    {
        if(resultCode == RESULT_OK)
        {
            assert data != null;
            int result = data.getIntExtra("res",0);
            e6.setText(String.valueOf(result));
        }
    }
}
}
```

#### MainActivity2.java-

```
package com.lab4.playcards;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

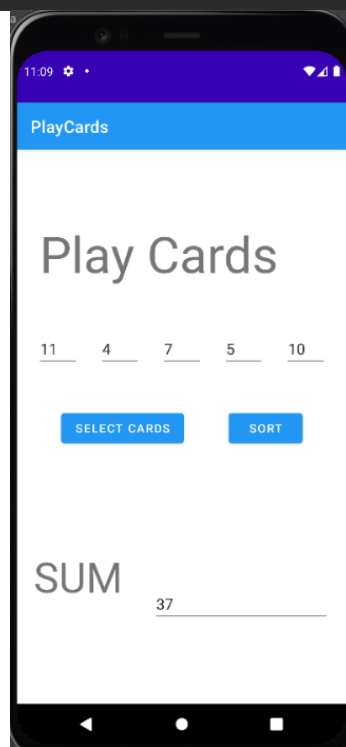
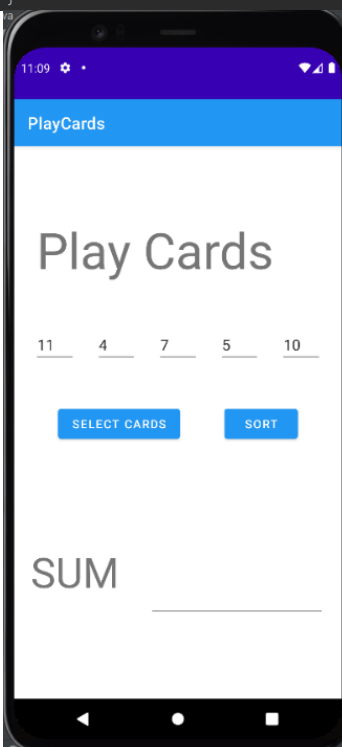
import java.util.Arrays;
```

```

public class MainActivity2 extends AppCompatActivity {

    static int n1,n2,n3,n4,n5;
    EditText e1,e2,e3,e4,e5;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        e1=findViewById(R.id.nm1);
        e2=findViewById(R.id.nm2);
        e3=findViewById(R.id.nm3);
        e4=findViewById(R.id.nm4);
        e5=findViewById(R.id.nm5);
        b1=findViewById(R.id.reply);
        Intent i = getIntent();
        n1 = i.getIntExtra("num1",0);
        n2 = i.getIntExtra("num2",0);
        n3 = i.getIntExtra("num3",0);
        n4 = i.getIntExtra("num4",0);
        n5 = i.getIntExtra("num5",0);
        int [] array = new int [] {n1,n2,n3,n4,n5};
        Arrays.sort(array);
        e1.setText(String.valueOf(array[0]));
        e2.setText(String.valueOf(array[1]));
        e3.setText(String.valueOf(array[2]));
        e4.setText(String.valueOf(array[3]));
        e5.setText(String.valueOf(array[4]));
        int x=n1+n2+n3+n4+n5;
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity2.this,MainActivity.class);
                intent.putExtra("res",x);
                setResult(RESULT_OK,intent);
                finish();
            }
        });
    }
}

```



# Arduino Billing-

Activity\_main.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/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="24dp"
        android:text="Total Bill :"
        android:textAppearance="@style/TextAppearance.AppCompat.Large"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toStartOf="@+id/et5"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/et10"
        android:layout_width="83dp"
        android:layout_height="42dp"
        android:layout_marginTop="168dp"
        android:layout_marginEnd="16dp"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toEndOf="@+id/et5"
        app:layout_constraintTop_toBottomOf="@+id/et9"
        app:layout_constraintVertical_bias="0.0" />

    <EditText
        android:id="@+id/et5"
        android:layout_width="83dp"
        android:layout_height="42dp"
        android:layout_marginTop="164dp"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toStartOf="@+id/et10"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toEndOf="@+id/textView6"
        app:layout_constraintTop_toBottomOf="@+id/et4"
        app:layout_constraintVertical_bias="0.0" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="181dp"
        android:layout_height="33dp"
        android:layout_marginBottom="172dp"
        android:text="4. Wifi Module"
        android:textAppearance="@style/TextAppearance.AppCompat.Large"
        app:layout_constraintBottom_toTopOf="@+id/textView6"
```

```
app:layout_constraintEnd_toStartOf="@+id/et4"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent" />
```

```
<EditText
    android:id="@+id/et4"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="40dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintBottom_toTopOf="@+id/b1"
    app:layout_constraintEnd_toStartOf="@+id/et9"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/textView5"
    app:layout_constraintTop_toBottomOf="@+id/et3"
    app:layout_constraintVertical_bias="0.0" />
```

```
<EditText
    android:id="@+id/et9"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="40dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintBottom_toTopOf="@+id/b1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/et4"
    app:layout_constraintTop_toBottomOf="@+id/et8"
    app:layout_constraintVertical_bias="0.039" />
```

```
<EditText
    android:id="@+id/et3"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="24dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/et8"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toBottomOf="@+id/et2" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="181dp"
    android:layout_height="33dp"
    android:layout_marginBottom="48dp"
    android:text="3. Bluetooth"
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintBottom_toTopOf="@+id/textView5"
    app:layout_constraintEnd_toStartOf="@+id/et3"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<EditText
    android:id="@+id/et8"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="20dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/et3"
```



```
app:layout_constraintTop_toBottomOf="@+id/et7" />

<EditText
    android:id="@+id/et2"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="36dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toStartOf="@+id/et7"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/textView3"
    app:layout_constraintTop_toBottomOf="@+id/et1" />

<EditText
    android:id="@+id/et7"
    android:layout_width="83dp"
    android:layout_height="42dp"
    android:layout_marginTop="36dp"
    android:ems="10"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/et2"
    app:layout_constraintTop_toBottomOf="@+id/et6" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="181dp"
    android:layout_height="33dp"
    android:layout_marginBottom="32dp"
    android:text="2. Light Sensor"
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintBottom_toTopOf="@+id/textView4"
    app:layout_constraintEnd_toStartOf="@+id/et2"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent" />

<TextView
    android:id="@+id/textView"
    android:layout_width="323dp"
    android:layout_height="60dp"
    android:text="Arduino Project"
    android:textAppearance="@style/TextAppearance.AppCompat.Display2"
    app:layout_constraintBottom_toTopOf="@+id/textView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.647"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.084" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="181dp"
    android:layout_height="33dp"
    android:layout_marginBottom="44dp"
    android:text="1. Arduino Board"
    android:textAppearance="@style/TextAppearance.AppCompat.Large"
    app:layout_constraintBottom_toTopOf="@+id/textView3"
    app:layout_constraintEnd_toStartOf="@+id/et1"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent" />

<EditText
    android:id="@+id/et6"
    android:layout_width="83dp"
```

```
android:layout_height="42dp"
android:layout_marginTop="20dp"
android:ems="10"
android:inputType="number"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toEndOf="@+id/et1"
app:layout_constraintTop_toBottomOf="@+id/textView7" />
```

#### <EditText

```
android:id="@+id/et1"
android:layout_width="83dp"
android:layout_height="42dp"
android:layout_marginTop="20dp"
android:ems="10"
android:inputType="number"
app:layout_constraintEnd_toStartOf="@+id/et6"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toEndOf="@+id/textView2"
app:layout_constraintTop_toBottomOf="@+id/textView8" />
```

#### <Button

```
android:id="@+id/b1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Submit"
android:textAppearance="@style/TextAppearance.AppCompat.Display1"
app:layout_constraintBottom_toTopOf="@+id/textView6"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView5"
app:layout_constraintVertical_bias="0.453" />
```

#### <TextView

```
android:id="@+id/textView7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="68dp"
android:text="Price"
android:textAppearance="@style/TextAppearance.AppCompat.Body2"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toEndOf="@+id/textView8"
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

#### <TextView

```
android:id="@+id/textView8"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="68dp"
android:text="QTY"
android:textAppearance="@style/TextAppearance.AppCompat.Body2"
app:layout_constraintEnd_toStartOf="@+id/textView7"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toEndOf="@+id/textView9"
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

#### <TextView

```
android:id="@+id/textView9"
android:layout_width="181dp"
android:layout_height="30dp"
app:layout_constraintBottom_toTopOf="@+id/textView2"
app:layout_constraintEnd_toStartOf="@+id/textView8"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView" />
```

```
app:layout_constraintVertical_bias="0.8" />

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

### MainActivity.java-

```
package com.lab4.arduinobilling;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        final EditText e1 = (EditText) findViewById(R.id.et1);
        final EditText e2 = (EditText) findViewById(R.id.et2);
        final EditText e3 = (EditText) findViewById(R.id.et3);
        final EditText e4 = (EditText) findViewById(R.id.et4);
        final EditText e5 = (EditText) findViewById(R.id.et5);
        final EditText e6 = (EditText) findViewById(R.id.et6);
        final EditText e7 = (EditText) findViewById(R.id.et7);
        final EditText e8 = (EditText) findViewById(R.id.et8);
        final EditText e9 = (EditText) findViewById(R.id.et9);
        final EditText e10 = (EditText) findViewById(R.id.et10);

        Button b1 = (Button) findViewById(R.id.b1);
        b1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {

                e6.setText(String.valueOf(Double.parseDouble(e1.getText().toString()) *
500));
                e7.setText(String.valueOf(Double.parseDouble(e2.getText().toString()) *
100));
                e8.setText(String.valueOf(Double.parseDouble(e3.getText().toString()) *
200));
                e9.setText(String.valueOf(Double.parseDouble(e4.getText().toString()) *
300));
                e5.setText(String.valueOf(
                    Double.parseDouble(e1.getText().toString()) +
                    Double.parseDouble(e2.getText().toString()) +
                    Double.parseDouble(e3.getText().toString()) +
                    Double.parseDouble(e4.getText().toString())
                ));
                e10.setText(String.valueOf(
                    Double.parseDouble(e6.getText().toString()) +
                    Double.parseDouble(e7.getText().toString()) +
                    Double.parseDouble(e8.getText().toString()) +
                    Double.parseDouble(e9.getText().toString())
                ));
            }
        });
    }
}
```

```
}  
}
```

5:19

ArduinoBilling

## Arduino Project

	QTY	Price
1. Arduino Board	5	2500.0
2. Light Sensor	4	400.0
3. Bluetooth	2	400.0
4. Wifi Module	1	300.0

**Submit**

Total Bill : 12.0 3600.0