Practical:-7

Aim:-Extends Pizza Ordering app to add multiple types of pizza and display calculated amount on different activity.

<activity_main.xml>

```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/textView3"
      android:layout_width="174dp"
      android:layout_height="35dp"
      android:text="Total Bill ="
      android:textSize="20dp"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.079"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent"
      app:layout_constraintVertical_bias="0.455" />

   <TextView
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="Pizza 1 :100rs"
      android:textSize="25dp"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.106"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent"
      app:layout_constraintVertical_bias="0.07" />

   <TextView
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="Pizza 2 :200rs"
      android:textSize="25dp"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintHorizontal_bias="0.106"
      app:layout_constraintStart_toStartOf="parent"
```

```
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.17" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Pizza 3 :300rs"
        android:textSize="25dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.106"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.269" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Pizza 4 :400rs"
        android:textSize="25dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.106"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.357" />

    <Button
        android:id="@+id/button3"
        android:layout_width="54dp"
        android:layout_height="52dp"
        android:text="+"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.54"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.166" />

    <Button
        android:id="@+id/button"
        android:layout_width="54dp"
        android:layout_height="52dp"
        android:text="+"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.54"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
```

```
app:layout_constraintVertical_bias="0.072" />

<Button
    android:id="@+id/checkout"
    android:layout_width="139dp"
    android:layout_height="48dp"
    android:text="Checkout"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.069"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.554" />

<Button
    android:id="@+id/button5"
    android:layout_width="54dp"
    android:layout_height="52dp"
    android:text="+"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.546"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.268" />

<Button
    android:id="@+id/button7"
    android:layout_width="54dp"
    android:layout_height="52dp"
    android:text="+"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.546"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.357" />

<Button
    android:id="@+id/button2"
    android:layout_width="56dp"
    android:layout_height="52dp"
    android:text="-"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.954"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.066" />
```

```xml
<Button
    android:id="@+id/button4"
    android:layout_width="56dp"
    android:layout_height="52dp"
    android:text="-"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.954"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.17" />

<Button
    android:id="@+id/button6"
    android:layout_width="56dp"
    android:layout_height="52dp"
    android:text="-"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.954"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.268" />

<Button
    android:id="@+id/button8"
    android:layout_width="56dp"
    android:layout_height="52dp"
    android:text="-"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.954"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.36" />

<EditText
    android:id="@+id/editTextText"
    android:layout_width="70dp"
    android:layout_height="50dp"
    android:inputType="text"
    android:text="0"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.769"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.069" />
```

```xml
<EditText
    android:id="@+id/editTextText2"
    android:layout_width="70dp"
    android:layout_height="50dp"
    android:inputType="text"
    android:text="0"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.765"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.168" />

<EditText
    android:id="@+id/editTextText3"
    android:layout_width="70dp"
    android:layout_height="50dp"
    android:inputType="text"
    android:text="0"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.77"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.271" />

<EditText
    android:id="@+id/editTextText4"
    android:layout_width="70dp"
    android:layout_height="50dp"
    android:inputType="text"
    android:text="0"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.772"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.359" />

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

<MainActivity.java>

```java
package com.example.practical6;

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;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
 int
pizzaCounter_1=0,pizzaCounter_2=0,pizzaCounter_3=0,pizzaCounter_4=0,sum=0;
    TextView total;
    public void price(int pizzaA,int pizzaB, int pizzaC, int pizzaD)
    {
        sum=(pizzaA*100)+(pizzaB*200)+(pizzaC*300)+(pizzaD*400);
            total.setText("Total bill ="+sum);
    }
    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button check = findViewById(R.id.checkout);

        total=findViewById(R.id.textView3);
        EditText pizzaCount1=findViewById(R.id.editTextText);
        EditText pizzaCount2=findViewById(R.id.editTextText2);
        EditText pizzaCount3=findViewById(R.id.editTextText3);
        EditText pizzaCount4=findViewById(R.id.editTextText4);
        Button button=findViewById(R.id.button);
        Button button2=findViewById(R.id.button2);
        Button button3=findViewById(R.id.button3);
        Button button4=findViewById(R.id.button4);
        Button button5=findViewById(R.id.button5);
        Button button6=findViewById(R.id.button6);
        Button button7=findViewById(R.id.button7);
        Button button8=findViewById(R.id.button8);

        check.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(MainActivity.this, MainActivity2.class);
                String totalsm = Integer.toString(sum);
                i.putExtra("Total_Sum",totalsm);
```

```java
            startActivity(i);

        }
    });

    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (pizzaCounter_1>=0)
            {
                pizzaCounter_1++;
                pizzaCount1.setText(""+pizzaCounter_1);
                 price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
            }
        }
    });
    button2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (pizzaCounter_1>0)
            {
                pizzaCounter_1--;
                pizzaCount1.setText(""+pizzaCounter_1);
                 price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
            }
        }
    });
    button3.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (pizzaCounter_2>=0)
            {
                pizzaCounter_2++;
                pizzaCount2.setText(""+pizzaCounter_2);
                price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
            }
        }
    });
    button4.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (pizzaCounter_2>0)
            {
                pizzaCounter_2--;
                pizzaCount2.setText(""+pizzaCounter_2);
                price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
            }
        }
    });
    button5.setOnClickListener(new View.OnClickListener() {
```

```java
      @Override
      public void onClick(View v) {
        if (pizzaCounter_3>=0)
        {
          pizzaCounter_3++;
          pizzaCount3.setText(""+pizzaCounter_3);
          price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
        }
      }
   });
   button6.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        if (pizzaCounter_3>0)
        {
          pizzaCounter_3--;
          pizzaCount3.setText(""+pizzaCounter_3);
          price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
        }
      }
   });
   button7.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        if (pizzaCounter_4>=0)
        {
          pizzaCounter_4++;
          pizzaCount4.setText(""+pizzaCounter_4);
          price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
        }
      }
   });
   button8.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        if (pizzaCounter_4>0)
        {
          pizzaCounter_4--;
          pizzaCount4.setText(""+pizzaCounter_4);
          price(pizzaCounter_1,pizzaCounter_2,pizzaCounter_3,pizzaCounter_4);
        }
      }
   });


}
public void onClick(View v) {

}
}
```

<activity_main2.xml>

```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/textView8"
        android:layout_width="236dp"
        android:layout_height="76dp"
        android:text="P7 by Kushal Sharma"
        android:textAlignment="center"
        android:textSize="22dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.937" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="336dp"
        android:layout_height="71dp"
        android:text="Total Amount : -"
        android:textAlignment="center"
        android:textSize="22dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.43"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.287" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="174dp"
        android:layout_height="35dp"
        android:text="Total Bill ="
        android:textSize="20dp"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.43"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.071" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="174dp"
        android:layout_height="35dp"
        android:text="GST 18%"
        android:textSize="22dp"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.43"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.169" />

</androidx.constraintlayout.widget.ConstraintLayout>
```
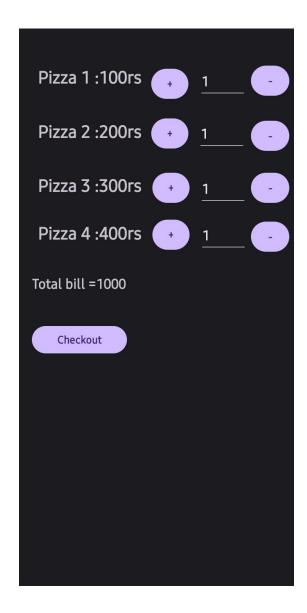
\<Mainactivity2.java\>

package com.example.practical6;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        TextView TV1 = findViewById(R.id.textView1);
        TextView TV3 = findViewById(R.id.textView3);
        Intent i2 = getIntent();
        String TotalSm = i2.getStringExtra("Total_Sum");
        int p = Integer.parseInt(TotalSm);
        float GST = p*0.18f;
        float GT = p + GST;
        TV1.setText("Your Total : " + p);
        TV3.setText("Your Total Amount : "+GT);

    }
}

Output_Screenshots:

Pizza	Price		Qty	
Pizza 1	100rs	+	1	-
Pizza 2	200rs	+	1	-
Pizza 3	300rs	+	1	-
Pizza 4	400rs	+	1	-

Total bill =1000

Checkout

Your Total : 1000

GST 18%

Your Total Amount : 1180.0

P7 by Kushal Sharma