

Practical:-7

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

```
<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/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" />
```



```
<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" />
```



```
<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>

```
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 {
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);
```



```
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() {
```



```
@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 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>

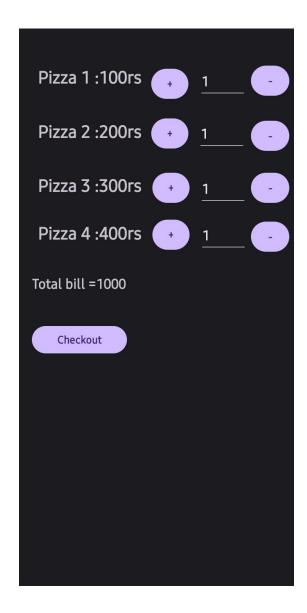


<Mainactivity2.java>

```
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:



Your Total: 1000 **GST 18%** Your Total Amount: 1180.0 P7 by Kushal Sharma