

**Practical:-6**

**Aim:- Create Pizza Ordering App, add buttons increase the quantity of pizzas, calculate and display total amount.**

**<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: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: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" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Kushal Sharma"
    android:textSize="25dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.615" />
```

```
<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/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" />
```

<TextView

```
android:id="@+id/textView"
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" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

<MainActivity.java>

```
package com.example.practical6;
```

```
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 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 button=findViewById(R.id.button);
        total=findViewById(R.id.textView);

        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 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);

        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) {  
  
    }  
  
}
```



Output\_Screenshots:

