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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:gravity="center">

<EditText

android:id="@+id/etBillAmount"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter Bill Amount"

android:inputType="numberDecimal"

android:textSize="18sp"

android:layout\_marginBottom="16dp"

android:padding="12dp"/>

<CheckBox

android:id="@+id/cbServiceCharge"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Add Service Charge (30)"

android:textSize="18sp"

android:layout\_marginBottom="16dp"/>

<Button

android:id="@+id/btnCalculate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Calculate Total"

android:textSize="18sp"

android:layout\_marginBottom="16dp"/>

<TextView

android:id="@+id/tvTotalAmount"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Total Amount: "

android:textSize="20sp"

android:layout\_marginTop="16dp"/>

</LinearLayout>

Main\_Activity.java

package com.example.ptr10;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
import androidx.appcompat.app.AppCompatActivity;  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 EditText etBillAmount = findViewById(R.id.*etBillAmount*);  
 CheckBox cbServiceCharge = findViewById(R.id.*cbServiceCharge*);  
 Button btnCalculate = findViewById(R.id.*btnCalculate*);  
 TextView tvTotalAmount = findViewById(R.id.*tvTotalAmount*);  
  
 btnCalculate.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 String billAmountString = etBillAmount.getText().toString();  
  
  
 if (billAmountString.isEmpty()) {  
 Toast.*makeText*(MainActivity.this, "Please enter a valid bill amount", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
  
 double billAmount = Double.*parseDouble*(billAmountString);  
  
 double totalAmount = billAmount;  
  
 if (cbServiceCharge.isChecked()) {  
 totalAmount += 30;  
 }  
 tvTotalAmount.setText("Total Amount: " + totalAmount);  
 }  
 });  
 }  
}