package com.example.blgm419\_fah\_celsius;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.TextView;

import android.widget.Toast;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

 private EditText et\_derece;

 private TextView tv\_sonuc;

 private Button bt\_cevir;

 private RadioButton rb\_F,rb\_c;

 @Override

 protected void onCreate(Bundle savedInstanceState) {

 super.onCreate(savedInstanceState);

 EdgeToEdge.enable(this);

 setContentView(R.layout.activity\_main);

 ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {

 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());

 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

 return insets;

 });

 et\_derece=findViewById(R.id.editTextText);

 tv\_sonuc=findViewById(R.id.textView);

 bt\_cevir=findViewById(R.id.button);

 rb\_F=findViewById(R.id.radioButton);

 rb\_c=findViewById(R.id.radioButton2);

 bt\_cevir.setOnClickListener(new View.OnClickListener() {

 @Override

 public void onClick(View view) {

 if (et\_derece.getText().toString().isEmpty()){

 Toast.makeText(MainActivity.this, "Bir derece giriniz", Toast.LENGTH\_SHORT).show();

 } else {

 if (rb\_F.isChecked()){

 double c=Double.parseDouble(et\_derece.getText().toString());

 double Cel=((9.0/5)\*c)+32;

 String sonuc="Sonuc: "+Cel+" Fahrenhite";

 tv\_sonuc.setText(sonuc);

 }

 if (rb\_c.isChecked()){

double r=Double.parseDouble(et\_derece.getText().toString());

 double Cel=(5.0/9)\*(r-32);

 String sonuc="Sonuc: "+Cel+" Celcius ";

 tv\_sonuc.setText(sonuc);

 }

 }

 }

 });

 }

}