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public class MainActivity extends AppCompatActivity {
    double conversionRate = 2.2;
    double weightEntered;
    double convertedWeight;
    private EditText editText;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate( savedInstanceState );
        setContentView( R.layout.activity_main );
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setLogo(R.mipmap.ic_launcher);
        getSupportActionBar().setDisplayUseLogoEnabled(true);
        final EditText weight = (EditText) findViewById(R.id.txtWeight);
        final RadioButton lbToKilo = (RadioButton)
findViewById(R.id.radLbToKilo);
        final RadioButton kiloToLb = (RadioButton)
findViewById(R.id.radKiloToLb);
        final TextView result = (TextView) findViewById(R.id.txtResult);
        Button convert = (Button) findViewById(R.id.btnConvert);

        convert.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                weightEntered=Double.parseDouble(weight.getText( ).toString(
));
                DecimalFormat tenth = new DecimalFormat("#.##");
                if (lbToKilo.isChecked( )) {
                    if (weightEntered <= 500) {
                        convertedWeight = weightEntered / conversionRate;
                        result.setText(tenth.format(convertedWeight) + "
kilograms");
                    } else { Toast.makeText(MainActivity.this, "Pounds must
be less than 500", Toast.LENGTH_LONG).show( );
                }
            }
            if(kiloToLb.isChecked( )) {
                if (weightEntered <= 225) {
                    convertedWeight = weightEntered * conversionRate;
                    result.setText(tenth.format(convertedWeight) +
"pounds");
                } else {
                    Toast.makeText(MainActivity.this, "Kilos must be less
than 225", Toast.LENGTH_LONG).show();
                }
            }
        });
        editText = (EditText)findViewById(R.id.txtWeight);
        Button reset = (Button)findViewById(R.id.btnClear);
        reset.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                editText.setText("");
            }
        });
    }
}

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} } });
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