

Convertor Universal

Programul realizat de mine este un convertor universal pentru temperatura, lungime si greutate. Programul a fost realizat in Windows Forms Application constand din Label-e pentru detalii asupra optiunii de convertire si un numar de RadioButtons a caror selectare decide unitatea de masura care si spre care se converteste.

Valoarea introdusa de la tastatura este inregistrata in variabila *val* printr-o caseta de tip NumericUpDown. Pentru setarea fiecarui RadioButton s-au introdus 2 comenzi comune tuturor si o ultima care diferentiaza in functie de unitatea de masura.

Comenzile in comun sunt:

```
double val;  
val=System::Convert::ToDouble(this->numericUpDown1->Value);
```

Comenzile specifica unitatii de masura sunt:

```
this->rezultat->Text =System::Convert::ToString(val+273.15);  
this->rezultat->Text =System::Convert::ToString(val*(9/5)+32);  
this->rezultat->Text =System::Convert::ToString(val*(9/5)-459.67);  
this->rezultat->Text =System::Convert::ToString(val-273.15);  
this->rezultat->Text =System::Convert::ToString((val-32)*0.55);  
this->rezultat->Text =System::Convert::ToString((val+459.67)*0.55);  
this->rezultat->Text =System::Convert::ToString(val*3.2808);  
this->rezultat->Text =System::Convert::ToString(val*39.37);  
this->rezultat->Text =System::Convert::ToString(val*0.3937);  
this->rezultat->Text =System::Convert::ToString(val*0.3048);  
this->rezultat->Text =System::Convert::ToString(val*0.025);  
this->rezultat->Text =System::Convert::ToString(val*2.54);  
this->rezultat->Text =System::Convert::ToString(val*1.0936);  
this->rezultat->Text =System::Convert::ToString(val*0.9144);  
this->rezultat->Text =System::Convert::ToString(val*0.6214);  
this->rezultat->Text =System::Convert::ToString(val*1.6903);  
this->rezultat->Text =System::Convert::ToString(val*2.2046);  
this->rezultat->Text =System::Convert::ToString(val*0.453);
```

```

private: System::Void label6_Click(System::Object^ sender, System::EventArgs^ e) {
}
private: System::Void radioButton3_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString(val*(9/5)-459.67);
}
private: System::Void radioButton4_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString(val-273.15);
}
private: System::Void radioButton5_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString((val-32)*0.55);
}
private: System::Void radioButton6_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString((val+459.67)*0.55);
}
private: System::Void radioButton7_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString(val*3.2808);
}
private: System::Void radioButton8_CheckedChanged(System::Object^ sender, System::EventArgs^ e) {
    double val;
    val=System::Convert::ToDouble(this->numericUpDown1->Value);
    this->rezultat->Text =System::Convert::ToString(val*39.37);
}

```

Convector

Valoare 0,00

Temperatura

- ☐ Celsius in Kelvin
- ☐ Celsius in Fahrenheit
- ☐ Kelvin in Fahrenheit
- ☐ Kelvin in Celsius
- ☐ Fahrenheit in Celsius
- ☐ Fahrenheit in Kelvin

Lungimea

- ☐ Metri in Feet
- ☐ Metri in Inch
- ☐ Centimetri in Inch
- ☐ Feet in Metri
- ☐ Inch in Metri
- ☐ Inch in Centimetri
- ☐ Metri in Yards
- ☐ Yards in Metri
- ☐ Km in Miles
- ☐ Miles in Km

Masa

- ☐ Kilogramme in Pounds
- ☐ Pounds in Kilogramme

Rezultat ---

Converter

Valoare 124,33

Temperatura ☐ Celsius in Kelvin ☒ Celsius in Fahrenheit ☐ Kelvin in Fahrenheit
☐ Kelvin in Celsius ☐ Fahrenheit in Celsius ☐ Fahrenheit in Kelvin

Lungimea ☐ Metri in Feet ☐ Metri in Inch ☐ Centimetri in Inch
☐ Feet in Metri ☐ Inch in Metri ☐ Inch in Centimetri
☐ Metri in Yards ☐ Yards in Metri ☐ Km in Miles
☐ Miles in Km

Masa ☐ Kilograme in Pounds ☐ Pounds in Kilograme

Rezultat 156,33

Converter

Valoare 344,00

Temperatura ☐ Celsius in Kelvin ☐ Celsius in Fahrenheit ☐ Kelvin in Fahrenheit
☐ Kelvin in Celsius ☐ Fahrenheit in Celsius ☐ Fahrenheit in Kelvin

Lungimea ☐ Metri in Feet ☐ Metri in Inch ☐ Centimetri in Inch
☐ Feet in Metri ☐ Inch in Metri ☐ Inch in Centimetri
☐ Metri in Yards ☒ Yards in Metri ☐ Km in Miles
☐ Miles in Km

Masa ☐ Kilograme in Pounds ☐ Pounds in Kilograme

Rezultat 314,5536