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ECET 164

Lab\_05

Coding

// Local Variables

double power = 0;

double seconds; // The Total seconds

double joules; // the number of joules

int count = 1; // Loop counter, intialized with 1

double finalJoules = 0;

// String

if (double.TryParse(joulesTextBox.Text,out joules))

{

// Get number of seconds

if (double.TryParse(secondsTextBox.Text,out seconds))

{ // Loop calcs the Power of Watts

while (count <= seconds)

{ // Power equation

power = (joules / seconds);

// Energy equation

finalJoules = (power \* seconds);

//Add one to the loop counter

count = count + 1;

}

// Display the ending Power

powerResultLabel.Text = ("The Power result in Watts is " +

power.ToString("n3")

+ "W");

// Display the Joules in List Box

finalResultListBox.Items.Add("Afer " + (count - 1) + " second the work done was " +

finalJoules.ToString()

+ " Joules.");

}

else

{

MessageBox.Show("Invalid value for seconds.");

}

}

else

{

// Invalid joules entered

MessageBox.Show("Invalid value for Joules entered.");

}

}

clrBtn\_Click

{

// Clear all

joulesTextBox.Text = "";

secondsTextBox.Text = "";

powerResultLabel.Text = "";

finalResultListBox.Items.Clear();

// Focus Reset.

joulesTextBox.Focus();

}

extBtn\_Click

{

Close();

}

Part 1



