

In []:

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#Python First Program -- Feet to Meter Calculator

from tkinter import Tk, Button, Label, DoubleVar, Entry

window = Tk()
window.title("Feet to Meter Conversion App")
window.configure(background="light green")
window.geometry("320x220")
window.resizable(width=False, height=False)

def convert():
    value = float(ft_entry.get())
    meter = value * 0.3048
    mt_value.set("%.4f" % meter)

def clear():
    ft_value.set("")
    mt_value.set("")

ft_lbl = Label(window, text="Feet", bg="purple", fg="white", width=14)
ft_lbl.grid(column=0, row=0, padx=15, pady=15)

ft_value = DoubleVar()
ft_entry = Entry(window, textvariable=ft_value, width=14)
ft_entry.grid(column=1, row=0)
ft_entry.delete(0, 'end')

ft_lbl = Label(window, text="Feet", bg="purple", fg="white", width=14)
ft_lbl.grid(column=0, row=0, padx=15, pady=15)

mt_lbl = Label(window, text="Meter", bg="brown", fg="white", width=14)
mt_lbl.grid(column=0, row=1)

mt_value = DoubleVar()
mt_entry = Entry(window, textvariable=mt_value, width=14)
mt_entry.grid(column=1, row=1, pady=30)
mt_entry.delete(0, 'end')

convert_btn = Button(window, text="Convert", bg="blue", fg="white", width=14, command=convert)
convert_btn.grid(column=0, row=3, padx=15)

clear_btn = Button(window, text="Clear", bg="black", fg="white", width=14, command=clear)
clear_btn.grid(column=1, row=3, padx=15)

window.mainloop()
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