```python
#Metric Helper
import tkinter
from tkinter import ttk, END

#Define window
root = tkinter.Tk()
root.title('Metric Helper')
root.iconbitmap('ruler.ico')
root.resizable(0,0)

#Define fonts and colors
field_font = ('Cambria', 10)
bg_color = "#c75c5c"
button_color = "#f5cf87"
root.config(bg=bg_color)

#Define functions
def convert():
    """Convert from one metric prefix to another"""
    metric_values = {
        'femto':10**-15,
        'pico':10**-12,
        'nano':10**-9,
        'micro':10**-6,
        'milli':10**-3,
        'centi':10**-2,
        'deci':10**-1,
        'base value':10**0,
        'deca':10**1,
        'hecto':10**2,
        'kilo':10**3,
        'mega':10**6,
        'giga':10**9,
        'tera':10**12,
        'peta':10**15
    }

    #Clear the output field
    output_field.delete(0, END)

    #Get all user information
    start_value = float(input_field.get())
    start_prefix = input_combobox.get()
    end_prefix = output_combobox.get()

    #Covert to the base unit first
    base_value = start_value*metric_values[start_prefix]
    #Covert to new metric value
    end_value = base_value/metric_values[end_prefix]

    #Update ouput field with answer
    output_field.insert(0, str(end_value))


#Define layout
#Create the input and output entry fields
input_field = tkinter.Entry(root, width=20, font=field_font, borderwidth=3)
output_field = tkinter.Entry(root, width=20, font=field_font, borderwidth=3)
equal_label = tkinter.Label(root, text="=", font=field_font, bg=bg_color)

input_field.grid(row=0, column=0, padx=10, pady=10)
equal_label.grid(row=0, column=1, padx=10, pady=10)
output_field.grid(row=0, column=2, padx=10, pady=10)

input_field.insert(0, 'Enter your quantity')

#Create combobox for metric values
```

```
68  metric_list = ['femto', 'pico', 'nano', 'micro', 'milli', 'centi', 'deci', 'base
    value', 'deca', 'hecto', 'kilo', 'mega', 'giga', 'tera', 'peta']
69  input_combobox = ttk.Combobox(root, value=metric_list, font=field_font, justify='center')
70  output_combobox = ttk.Combobox(root, value=metric_list, font=field_font,
    justify='center')
71  to_label = tkinter.Label(root, text="to", font=field_font, bg=bg_color)
72
73  input_combobox.grid(row=1, column=0, padx=10, pady=10)
74  to_label.grid(row=1, column=1, padx=10, pady=10)
75  output_combobox.grid(row=1, column=2, padx=10, pady=10)
76
77  input_combobox.set('base value')
78  output_combobox.set('base value')
79
80  #Create a conversion button
81  convert_button = tkinter.Button(root, text='Convert', font=field_font, bg=button_color,
    command=convert)
82  convert_button.grid(row=2, column=0, columnspan=3, padx=10, pady=10, ipadx=50)
83
84  #Run the root window's main loop
85  root.mainloop()
```