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from kivy.app import App

from kivy.uix.gridlayout import GridLayout

from kivy.uix.slider import Slider

from kivy.uix.label import Label

from kivy.properties import NumericProperty

class WidgetContainer(GridLayout):

    def __init__(self, **kwargs):
        super(WidgetContainer, self).__init__(**kwargs)

        # 2 columns in grid layout

        self.cols = 2

        self.brightnessControl = Slider(min=0, max=100)

        # 1st row - one label, one slider

        self.add_widget(Label(text='brightness'))

        self.add_widget(self.brightnessControl)

        # 2nd row - one label for caption, one label for
        slider value

        self.add_widget(Label(text='Slider Value'))

        self.brightnessValue = Label(text='0')

        self.add_widget(self.brightnessValue)
```

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# On the slider object Attach a callback for the  
attribute named value
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self.brightnessControl.bind(value=self.on_value)
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```
def on_value(self, instance, brightness):  
    self.brightnessValue.text = "%d" % brightness  
    value = brightness  
    file = open("testfile.txt", "w")  
  
    file.write(str(value))
```

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# The app class
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class SliderExample(App):
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```
    def build(self):  
        widgetContainer = WidgetContainer()  
  
        return widgetContainer
```

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# Run the app
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```
if __name__ == '__main__':  
    SliderExample().run()
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