

```
7-5-67 > bmlkv
1 <UI>:
2   id:scr_manager
3   Scr_knowledge:
4   Scr_bmi:
5
6
7 ##### ui m/ 2 #####
8 <Scr_bmi>:
9   BoxLayout:
10    orientation: 'vertical'
11    Button:
12      pos_hint: {'x':0.85,'y': 0.85}
13      size_hint: 0.1, 0.2
14      text: 'HOME'
15      on_press: app.root.current = "Scr_knowledge"
16    TextInput:
17      id: txt_weight
18      hint_text: "input weight"
19    Slider:
20      id: sld_weight
21      min: 30
22      max: 100
23      step: 0.5
24      set: 40
25      on_value: txt_weight.text = str(sld_weight.value)
26    TextInput:
27      id: txt_height
28      hint_text: "input heigth"
29    Slider:
30      id: sld_height
31      min: 100
32      max: 300
33      step: 0.5
34      set: 100
35      on_value: txt_height.text = str(sld_height.value)
36    Button:
37      id: btn_bmi
38      on_press: root.cal_bmi() # ගුණකිරීම cal_bmi බැරෑරීම
39    Label:
40      id: lbl_bmi
41      text: 'bmi = '
42    Image:
43      id: img_bmi
44
```

```
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8 <Scr_bmi>:
9   BoxLayout:
10    Slider:
11      id: sld_weight
12      min: 30
13      max: 100
14      step: 0.5
15      set: 40
16      on_value: txt_weight.text = str(sld_weight.value)
17    TextInput:
18      id: txt_weight
19      hint_text: "input weight"
20    Slider:
21      id: sld_height
22      min: 100
23      max: 300
24      step: 0.5
25      set: 100
26      on_value: txt_height.text = str(sld_height.value)
27    Button:
28      id: btn_bmi
29      on_press: root.cal_bmi() # ගුණකිරීම cal_bmi බැරෑරීම
30    Label:
31      id: lbl_bmi
32      text: 'bmi = '
33    Image:
34      id: img_bmi
35
36 ##### ui m/ 1 #####
37 <Scr_knowledge>:
38   name: "Scr_knowledge"
39   BoxLayout:
40    orientation: 'vertical'
41    Image:
42      source: "BMI.png"
43    Button:
44      text: 'දැනුවත්'
45      font_name: 'tahoma'
46      size_hint: 0.50 , 0.20
47      background_color: 'blue'
48      pos_hint: {'center_x': 0.5,'center_y': 0.5}
49      on_press: app.root.current = "Scr_bmi"
50
```

```
7-5-67 > bmiApp.py > Scr.bmi > cal_bmi
1 from kivy.app import App
2 from kivy.uix.screenmanager import ScreenManager,Screen
3
4 class Scr_bmi(Screen):
5     def cal_bmi(self):
6         # ค่า bmi = น้ำหนัก กก / (ส่วนสูง เมตร X ส่วนสูง เมตร)
7         weight = float(self.ids.txt_weight.text)
8         height = float(self.ids.txt_height.text)
9         height = height/100
10
11         bmi = weight/(height*height) # สูตรการคำนวณ bmi
12         self.ids.lbl_bmi.text=str(bmi)
13         if bmi > 35:
14             self.ids.lbl_bmi.color="red"
15             self.ids.img_bmi.source="pic/5.PNG"
16         elif bmi > 30:
17             self.ids.lbl_bmi.color="orange"
18             self.ids.img_bmi.source="pic/4.PNG"
19             # > 25 yellow , > 18 เหลือง
20         else:
21             self.ids.lbl_bmi.color="green"
22             self.ids.img_bmi.source="pic/2.PNG"
23
24
25 class Scr_knowledge(Screen): # ui 1
26     pass
27
28 class UI(ScreenManager):# ทำหน้าที่จัดการหน้าจอต่าง ๆ
29     pass
30
31
32
33
34 class bmiApp(App):
35     def build(self):
36         return UI()
37
38
39
40
41 if __name__ == "__main__":
42     bmiApp().run()
43
```



