# Converted Jupyter Notebook

## Code Cell

class temp\_Agent:  
 def \_\_init\_\_(self, set\_temper):  
 self.set\_temper = set\_temper  
 self.Actions = []   
 self.prev\_Act = None   
  
 def check\_Temp(self, Temp):  
 return Temp  
  
 def Action(self, Temp, room):  
 if Temp < self.set\_temper:  
 if self.prev\_Act != "ON":  
 act = "heater on"  
 self.prev\_Act = "ON"  
 else:  
 act = "no change"  
 else:  
 if self.prev\_Act != "OFF":  
 act = "heater off"  
 self.prev\_Act = "OFF"  
 else:  
 act = "no change"  
 self.Actions.append((room, Temp, act))  
 return act  
  
  
rooms = {  
 "lounge": 18,  
 "bed": 22,  
 "kitchen": 20,  
 "washroom": 24  
}  
  
req\_Temp = 22  
ag = temp\_Agent(req\_Temp)  
  
for r, t in rooms.items():  
 ans = ag.Action(t, r)  
 print(r, "temp =", t, "-", ans)  
print("............................................................")  
print("History of steps:")  
for h in ag.Actions:  
 print(h)