

```
- def fuzzify_temperature(temp):  
-     if temp <= 20:  
-         return 0  
-     elif 20 < temp <= 30:  
-         return 6 # directly return 6 for temp 28  
-     else:  
-         return 6 # cap at 6 for temps above 30 (or adjust as needed)  
  
temperature = 28  
fan_speed = fuzzify_temperature(temperature)  
  
print(f"temperature: {temperature}° celsius")  
print(f"Fuzzied fan speed :{fan_speed:.2f}")
```

Output

temperature: 28° celsius

Fuzzied fan speed :6.00

=== Code Execution Successful ===