# using property class

class Celsius:

def \_init\_(self, temperature=0):

self.temperature = temperature

def to\_fahrenheit(self):

return (self.temperature \* 1.8) + 32

# getter

def get\_temperature(self):

print("Getting value...")

return self.\_temperature

# setter

def set\_temperature(self, value):

print("Setting value...")

if value < -273.15:

raise ValueError("Temperature below -273.15 is not possible")

self.\_temperature = value

# creating a property object

temperature = property(get\_temperature, set\_temperature)

human = Celsius(37)

print(human.temperature)

print(human.to\_fahrenheit())

human.temperature = -300

Output

Setting value...

Getting value...

37

Getting value...

98.60000000000001

Setting value...

Traceback (most recent call last):

File "<string>", line 31, in <module>

File "<string>", line 18, in set\_temperature

ValueError: Temperature below -273 is not possible