return weight / (height \*\* 2)  
  
  
def classify\_bmi(bmi):  
  
 if bmi < 18.5:  
 return "Underweight"  
 elif 18.5 <= bmi < 24.9:  
 return "Normal weight"  
 elif 25 <= bmi < 29.9:  
 return "Overweight"  
 else:  
 return "Obesity"  
def main():  
  
 try:  
  
 weight = float(input("Enter your weight in kilograms: "))  
 height = float(input("Enter your height in meters: "))  
  
  
 bmi = calculate\_bmi(weight, height)  
  
  
 category = classify\_bmi(bmi)  
  
  
 print(f"Your BMI is {bmi:.2f}. You are classified as: {category}.")  
 except ValueError:  
 print("Invalid input. Please enter numeric values for weight and height.")  
 except ZeroDivisionError:  
 print("Height cannot be zero. Please enter a valid height.")  
  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()