**1. Step-by-step description:**

* **Step 1**: Input the weight of the person in kilograms (kg).
* **Step 2**: Input the height of the person in meters (m).
* **Step 3**: Use the formula to calculate BMI:

BMI=Weight/Height^2

* **Step 4**: Compare the BMI value against the provided ranges:
  + If BMI < 18.5 → Thin.
  + If 18.5 ≤ BMI < 24.9 → Normal.
  + If 25 ≤ BMI < 29.9 → Fat.
  + If BMI ≥ 30 → Obesity.
* **Step 5**: Output the BMI value and the corresponding weight status.

**2. Pseudocode:**

START

INPUT weight, height

CALCULATE BMI = weight / (height \* height)

IF BMI < 18.5 THEN

PRINT "BMI:", BMI, "Status: Thin"

ELSE IF BMI >= 18.5 AND BMI < 24.9 THEN

PRINT "BMI:", BMI, "Status: Normal"

ELSE IF BMI >= 25 AND BMI < 29.9 THEN

PRINT "BMI:", BMI, "Status: Fat"

ELSE

PRINT "BMI:", BMI, "Status: Obesity"

END