Write a class named Fan that has the following data attributes:
• brand (the brand of the fan)
• circumference (the circumference of the fan)
• height (the height of the fan)
• degrees (the angle the fan is pitched)
• speeds (list of values: ‘off’, ‘low’, ‘medium’ and ‘high’)
• speed (for the fan’s current speed)

The Fan class should have an __init__ method that accepts the fans brand, circumference and height as arguments. It should also assign 0 to the __degrees data attribute and “off” for the current speed of the fan. It should also create a list of values for the speeds of “off”, “low”, “medium” and “high”
The class should also have the following methods:
• set_speed(speed) The set_speed method should set the speed value of the class only if the speed is a valid speed value in the speeds list. An error message should appear for an invalid speed.

• set_degrees(degrees) The set_degrees method should set the degrees value of the class only if the degrees
are >= 0. An error message should display for degrees < 0 and the degrees set to 0. If the user attempts to set degrees > 360, the degrees should be converted to a value from 0 to 360 (hint: 540 degrees == 180 degrees).

• get_degrees The get_degrees method should return the current degrees.
• get_speed The get_speed should return the current speed
• get_brand The get_brand should return the current brand
• get_circumference The get_circumference should return the current circumference
• get_height The get_height should return the current height