# Class Design Strategy In Python

# Crompton Fan Class

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"""
   @Author:Kunal Narkhede
   @Date:22/12/2023
   @Goal:To Implement Class Fan
   Capture Real Life Product on Amazon
   http://surl.li/onctm
 """
-----------------------------------------------------------------------------------------------------------------------

import sys

class ProductDimension:
   """
      This Class Implement The Dimension Of Crompton Fan
      @__init__(self, length: float, width: float, height: float, weight: float):
      Constructor
      @get_length(self)
         getter of attribute length
      @get_width(self)
         getter of attribute width
      @get_height(self)
         getter of attribute height
      @get_weight(self)
         getter of attribute weight
      ------------------------------------
      @set_length(self):
         setter of attribute length
      @set_width(self):
         setter of attribute width
      @set_height(self):
         setter of attribute height
```

```
        @set_weight(self):
            setter of attribute weight
    """

    def __init__(
            self,
            length:float,
            width:float,
            height:float,
            weight:float
        ):

        """
            Constructor of ProductDimension class:
            @__init__(self, length: float, width: float, height: float, weight: float):

            @self:newly created class object of ProductDimension
            @length:Client specified value for attribute length
            @width:Client specified value for attribute width
            @height:Client specified value for attribute height
            @weight:Client specified value for attribute weight

        """
        if type(length)!=float:
            raise TypeError("Bad type:length")
        if type(width)!=float:
            raise TypeError("Bad type:width")
        if type(height)!=float:
            raise TypeError("Bad type:height")
        if type(weight)!=float:
            raise TypeError("Bad type:weight")
        if length<=0.0:
            raise ValueError("Length must be positive")
        if width<=0.0:
            raise ValueError("Width must be positive")
```

```
70          if height<=0.0:
71              raise ValueError("Height must be positive")
72          if weight<=0.0:
73              raise ValueError("Weight must be positive")
74
75          self.length=length
76          self.width=width
77          self.height=height
78          self.weight=weight
79
80       #getter method
81
82      def get_length(self) -> float:
83          """
84              Returns the length attribute of the calling object
85          """
86          return self.length
87
88      def get_width(self) -> float:
89          """
90              Returns the width attribute of the calling object
91          """
92          return self.width
93
94      def get_height(self) -> float:
95          """
96              Returns the height attribute of the calling object
97          """
98          return self.height
99
100     def get_weight(self) -> float:
101         """
102             Returns the weight attribute of the calling object
103         """
104         return self.weight
```

```
105
106     #setter method
107
108     def set_length(self,new_length:float):
109         """
110             Sets the length attribute of the calling object to @new_length
111             Before setting, TypeCheck and ValueCheck is performed.
112         """
113         if type(new_length)!=float:
114             raise TypeError("new_length must be an float")
115         if new_length <= 0.0:
116             raise TypeError("new_length must be positive")
117         self.length=new_length
118
119     def set_width(self,new_width:float):
120         """
121             Sets the width attribute of the calling object to @new_width
122             Before setting, TypeCheck and ValueCheck is performed.
123         """
124         if type(new_width)!=float:
125             raise TypeError("new_width must be an float")
126         if new_width <= 0.0:
127             raise ValueError("new_width must be positive")
128         self.width=new_width
129
130     def set_height(self,new_height:float):
131         """
132             Sets the height attribute of the calling object to @new_height
133             Before setting, TypeCheck and ValueCheck is performed.
134         """
135         if type(new_height)!=float:
136             raise TypeError("new_height must be an float")
137         if new_height <= 0.0 :
138             raise ValueError("new_height must be positive")
139         self.height=new_height
```

```
140
141     def set_weight(self,new_weight:float):
142         """
143             Sets the weight attribute of the calling object to @new_weight
144             Before setting, TypeCheck and ValueCheck is performed.
145         """
146         if type(new_weight)!=float:
147             raise TypeError("new_weight must be an float")
148         if new_weight <= 0.0:
149             raise ValueError("new_weight must be positive")
150         self.weight=new_weight
151
152
153 class Fan:
154     def __init__(
155             self,
156             fan_brand:str,
157             fan_colour:str,
158             electric_fan_design:str,
159             fan_power_source:str,
160             fan_style:str,
161             fan_prod_dimensions:ProductDimension,
162             room_type:[str],
163             fan_feature:str,
164             fan_mounting_type:str,
165             fan_controller_type:str,
166             fan_material:str,
167             fan_nr_of_speed:int,
168             fan_wattage:int,
169             fan_finish_type:str,
170             fan_nr_of_blades:int,
171             fan_air_flow_capacity:str,
172             fan_speed:int,
173             fan_switch_type:str,
174             fan_included_components:[str],
```

```
        fan_model_name:str,
        fan_specification_met:str,
        fan_blade_material:str,
        fan_manufacturer:str,
        fan_country_of_origin:str,
        fan_model_num:str,
        fan_ASIN:str
    ):


        if type(fan_brand)!=str:
            raise TypeError("brand must be in str")
        if type(fan_colour)!=str:
            raise TypeError("colour must be in str")
        if type(electric_fan_design)!=str:
            raise TypeError("electric_fan_design must be in str")
        if type(fan_power_source)!=str:
            raise TypeError("power source must be in str")
        if type(fan_style)!=str:
            raise TypeError("style must be in  str")
        if type(fan_prod_dimensions)!=ProductDimension:
            raise TypeError("Product dimension must in Product Dimension")
        if '__iter__' not in dir(type(room_type)):
            raise TypeError("room type must be iterable")
        for room in room_type:
            if type(room)!=str:
                raise TypeError("room must be str")
        if type(fan_feature)!=str:
            raise TypeError("feature must be in str")
        if type(fan_mounting_type)!=str:
            raise TypeError("mounting type must be in str")
        if type(fan_controller_type)!=str:
            raise TypeError("controller type must be in str")
        if type(fan_material)!=str:
            raise TypeError("material must be in str")
```

```
        if type(fan_nr_of_speed)!=int:
            raise TypeError("number of speed must be in int")
        if fan_nr_of_speed<=0:
            raise ValueError("number of speed must be positive")
        if type(fan_wattage)!=int:
            raise TypeError("wattage must be in int")
        if fan_wattage<=0:
            raise ValueError("wattage must be in positive")
        if type(fan_finish_type)!=str:
            raise TypeError("finish_type must be in str")
        if type(fan_nr_of_blades)!=int:
            raise TypeError("number of blades must be int")
        if fan_nr_of_blades<=0:
            raise ValueError("number of blades must be positive")
        if type(fan_air_flow_capacity)!=str:
            raise TypeError("air flow capacity must be in str")
        if type(fan_speed)!=int:
            raise TypeError("speed must be in int")
        if fan_speed<=0:
            raise ValueError("speed must be positive")
        if type(fan_switch_type)!=str:
            raise TypeError("switch type must be in str")
        if '__iter__' not in dir(type(fan_included_components)):
            raise TypeError("included components must be iterable")
        for component in fan_included_components:
            if type(component)!=str:
                raise TypeError("component must be str")
        if type(fan_model_name)!=str:
            raise TypeError("model name must be str")
        if type(fan_specification_met)!=str:
            raise TypeError("specification must be str")
        if type(fan_blade_material)!=str:
            raise TypeError("blade materail must be str")
        if type(fan_manufacturer)!=str:
            raise TypeError("manufacturer must be str")
```

```
245             if type(fan_country_of_origin)!=str:
246                 raise TypeError("country of origin must be str")
247             if type(fan_model_num)!=str:
248                 raise TypeError("model number must be str")
249             if type(fan_ASIN)!=str:
250                 raise TypeError("ASIN must be str")
251 
252             self.fan_brand=fan_brand
253             self.fan_colour=fan_colour
254             self.electric_fan_design=electric_fan_design
255             self.fan_power_source=fan_power_source
256             self.fan_style=fan_style
257             self.fan_prod_dimensions=fan_prod_dimensions
258             self.room_type=room_type
259             self.fan_feature=fan_feature
260             self.fan_mounting_type=fan_mounting_type
261             self.fan_controller_type=fan_controller_type
262             self.fan_material=fan_material
263             self.fan_nr_of_speed=fan_nr_of_speed
264             self.fan_wattage=fan_wattage
265             self.fan_finish_type=fan_finish_type
266             self.fan_nr_of_blades=fan_nr_of_blades
267             self.fan_air_flow_capacity=fan_air_flow_capacity
268             self.fan_speed=fan_speed
269             self.fan_switch_type=fan_switch_type
270             self.fan_included_components=fan_included_components
271             self.fan_model_name=fan_model_name
272             self.fan_specification_met=fan_specification_met
273             self.fan_blade_material=fan_blade_material
274             self.fan_manufacturer=fan_manufacturer
275             self.fan_country_of_origin=fan_country_of_origin
276             self.fan_model_num=fan_model_num
277             self.fan_ASIN=fan_ASIN
278         #Getter method
279         def get_fan_brand(self)->str:
```

```
        """
            Returns the fan_brand attribute of the calling object
        """
        return self.fan_brand
    def get_fan_colour(self)->str:
        """
            Returns the fan_colour attribute of the calling object
        """
        return self.fan_colour

    def get_electric_fan_design(self)->str:
        """
            Returns the electric_fan_design attribute of the calling object
        """
        return self.electric_fan_design
    def get_fan_power_source(self)->str:
        """
            Returns the fan_power_source attribute of the calling object
        """
        return self.fan_power_source
    def get_fan_style(self)->str:
        """
            Returns the fan_style attribute of the calling object
        """
        return self.fan_style
    def get_fan_prod_dimensions(self)->ProductDimension:
        """
            Returns the fan_prod_dimensions attribute of the calling object
        """
        return self.fan_prod_dimensions
    def get_room_type(self)->[str]:
        """
            Returns the room_type attribute of the calling object
        """
        return self.room_type
```

```
    def get_fan_feature(self)->str:
        """
            Returns the fan_feature attribute of the calling object
        """
        return self.fan_feature
    def get_fan_mounting_type(self)->str:
        """
            Returns the fan_mounting_type attribute of the calling object
        """
        return self.fan_mounting_type
    def get_fan_controller_type(self)->str:
        """
            Returns the fan_controller_type attribute of the calling object
        """
        return self.fan_controller_type
    def get_fan_material(self)->str:
        """
            Returns the fan_material attribute of the calling object
        """
        return self.fan_material
    def get_fan_nr_of_speed(self)->int:
        """
            Returns the fan_nr_of_speed attribute of the calling object
        """
        return self.fan_nr_of_speed
    def get_fan_wattage(self)->int:
        """
            Returns the fan_wattage attribute of the calling object
        """
        return self.fan_wattage
    def get_fan_finish_type(self)->str:
        """
            Returns the fan_finish_type attribute of the calling object
        """
        return self.fan_finish_type
```

```
    def get_fan_nr_of_blades(self)->int:
        """
            Returns the fan_nr_of_blades attribute of the calling object
        """
        return self.fan_nr_of_blades
    def get_fan_air_flow_capacity(self)->str:
        """
            Returns the fan_air_flow_capacity attribute of the calling object
        """
        return self.fan_air_flow_capacity
    def get_fan_speed(self)->int:
        """
            Returns the fan_speed attribute of the calling object
        """
        return self.fan_speed
    def get_fan_switch_type(self)->str:
        """
            Returns the fan_switch_type attribute of the calling object
        """
        return self.fan_switch_type
    def get_fan_included_components(self)->[str]:
        """
            Returns the fan_included_components attribute of the calling object
        """
        return self.fan_included_components
    def get_fan_model_name(self)->str:
        """
            Returns the fan_model_name attribute of the calling object
        """
        return self.fan_model_name
    def get_fan_specification_met(self)->str:
        """
            Returns the fan_specification_met attribute of the calling object
        """
        return self.fan_specification_met
```

```
    def get_fan_blade_material(self)->str:
        """
            Returns the fan_blade_material attribute of the calling object
        """
        return self.fan_blade_material
    def get_fan_manufacturer(self)->str:
        """
            Returns the fan_manufacturer attribute of the calling object
        """
        return self.fan_manufacturer
    def get_fan_country_of_origin(self)->str:
        """
            Returns the fan_country_of_origin attribute of the calling object
        """
        return self.fan_country_of_origin
    def get_fan_model_num(self)->str:
        """
            Returns the fan_model_num attribute of the calling object
        """
        return self.fan_model_num
    def get_fan_ASIN(self)->str:
        """
            Returns the fan_ASIN attribute of the calling object
        """
        return self.fan_ASIN
    #Setter method
    def set_fan_brand(self,new_fan_brand)->None:
        """
            Sets the fan_brand attribute of the calling object to @new_fan_brand
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_brand)!=str:
            raise TypeError("new_fan_brand must be str")
        self.fan_brand=new_fan_brand

```

```
    def set_fan_colour(self,new_fan_colour)->None:
        """
            Sets the fan_colour attribute of the calling object to @new_fan_colour
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_colour)!=str:
            raise TypeError("new_fan_colour must be str")
        self.fan_colour=new_fan_colour

    def set_electric_fan_design(self,new_electric_fan_design)->None:
        """
            Sets the electric_fan_design attribute of the calling object to @new_electric_fan_design
            Before setting, TypeCheck is performed.
        """
        if type(new_electric_fan_design)!=str:
            raise TypeError("new_electric_fan_design must be str")
        self.electric_fan_design=new_electric_fan_design

    def set_fan_power_source(self,new_fan_power_source)->None:
        """
            Sets the fan_power_source attribute of the calling object to @new_fan_power_source
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_power_source)!=str:
            raise TypeError("new_fan_power_source must be str")
        self.fan_power_source=new_fan_power_source

    def set_fan_style(self,new_fan_style)->None:
        """
            Sets the fan_style attribute of the calling object to @new_fan_style
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_style)!=str:
            raise TypeError("new_fan_style must be str")
        self.fan_style=new_fan_style
```

```
455
456     def set_fan_prod_dimensions(self,new_fan_prod_dimensions)->None:
457         """
458             Sets the fan_prod_dimensions attribute of the calling object to @new_fan_prod_dimensions
459             Before setting, TypeCheck is performed.
460         """
461         if type(new_fan_prod_dimensions)!=str:
462             raise TypeError("new_fan_prod_Dimensions must be ProductDimension")
463         self.fan_prod_dimensions=new_fan_prod_dimensions
464
465     def set_room_type(self,new_room_type)->None:
466         """
467             Sets the room_type attribute of the calling object to @new_room_type
468             Before setting, TypeCheck is performed.
469         """
470         if '__iter__' not in dir(type(new_room_type)):
471             raise TypeError("new_room_type must be iterable")
472         for room in new_room_type:
473             if type(room)!=str:
474                 raise TypeError("room must be str")
475         self.room_type=new_room_type
476
477     def set_fan_feature(self,new_fan_feature)->None:
478         """
479             Sets the fan_feature attribute of the calling object to @new_fan_feature
480             Before setting, TypeCheck is performed.
481         """
482         if type(new_fan_feature)!=str:
483             raise TypeError("new_fan_feature must be str")
484         self.fan_feature=new_fan_feature
485
486     def set_fan_mounting_type(self,new_mounting_type)->None:
487         """
488             Sets the mounting_type attribute of the calling object to @new_mounting_type
489             Before setting, TypeCheck is performed.
```

```
        """
        if type(new_mounting_type)!=str:
            raise TypeError("new_mounting_type must be str")
        self.fan_mounting_type=new_mounting_type

    def set_fan_controller_type(self,new_fan_controller_type)->None:
        """
            Sets the fan_controller_type attribute of the calling object to @new_fan_controller_type
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_controller_type)!=str:
            raise TypeError("new_fan_controller_type must be str")
        self.fan_controller_type=new_fan_controller_type

    def set_fan_material(self,new_fan_material)->None:
        """
            Sets the fan_material attribute of the calling object to @new_fan_material
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_material)!=str:
            raise TypeError("new_fan_material must be str")
        self.fan_material=new_fan_material

    def set_fan_nr_of_speed(self,new_fan_nr_of_speed)->None:
        """
            Sets the fan_nr_of_speed attribute of the calling object to @new_fan_nr_of_speed
            Before setting, TypeCheck and ValueCheck is performed.
        """
        if type(new_fan_nr_of_speed)!=int:
            raise TypeError("new_fan_nr_of_speed must be int")
        if new_fan_nr_of_speed<=0:
            raise ValueError("new_fan_nr_of_speed must be positive")
        self.fan_nr_of_speed=new_fan_nr_of_speed

    def set_fan_wattage(self,new_fan_wattage)->None:
```

```
        """
            Sets the fan_wattage attribute of the calling object to @new_fan_wattage
            Before setting, TypeCheck and ValueCheck is performed.
        """
        if type(new_fan_wattage)!=int:
            raise TypeError("new_fan_wattage must be int")
        if new_fan_wattage<=0:
            raise ValueError("new_fan_wattage must be positive")
        self.fan_wattage=new_fan_wattage

    def set_fan_finish_type(self,new_fan_finish_type)->None:
        """
            Sets the fan_finish_type attribute of the calling object to @new_fan_finish_type
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_finish_type)!=str:
            raise TypeError("new_fan_finish_type must be str")
        self.fan_finish_type=new_fan_finish_type

    def set_fan_nr_of_blades(self,new_fan_nr_of_blades):
        """
            Sets the fan_nr_of_blades attribute of the calling object to @new_fan_nr_of_blades
            Before setting, TypeCheck and ValueCheck is performed.
        """
        if type(new_fan_nr_of_blades)!=int:
            raise TypeError("new_fan_nr_of_blades must be int")
        if new_fan_nr_of_blades<=0:
            raise ValueError("new_fan_nr_of_blades must be positive")
        self.fan_nr_of_blades=new_fan_nr_of_blades

    def set_fan_air_flow_capacity(self,new_air_flow_capacity)->None:
        """
            Sets the air_flow_capacity attribute of the calling object to @new_air_flow_capacity
            Before setting, TypeCheck is performed.
        """
```

```
        if type(new_air_flow_capacity)!=str:
            raise TypeError("new_air_flow_capacity must be str")
        self.fan_air_flow_capacity=new_air_flow_capacity

    def set_fan_speed(self,new_fan_speed)->None:
        """
            Sets the fan_speed attribute of the calling object to @new_fan_speed
            Before setting, TypeCheck and ValueCheck is performed.
        """
        if type(new_fan_speed)!=int:
            raise TypeError("new_fan_speed must be int")
        if new_fan_speed<=0:
            raise ValueError("new_fan_speed must be positive")
        self.fan_speed=new_fan_speed

    def set_fan_switch_type(self,new_fan_switch_type)->None:
        """
            Sets the fan_switch_type attribute of the calling object to @new_fan_switch_type
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_switch_type)!=str:
            raise TypeError("new_fan_switch_type must be str")
        self.fan_switch_type=new_fan_switch_type

    def set_fan_included_components(self,new_fan_included_components)->None:
        """
            Sets the fan_included_components attribute of the calling object to
@new_fan_included_components
            Before setting, TypeCheck is performed.
        """
        if '__iter__' not in dir(type(new_fan_included_components)):
            raise TypeError("new_fan_included_components must itetable")
        for component in new_fan_included_components:
            if type(component)!=str:
                raise TypeError("feature must be str")
        self.fan_included_components=new_fan_included_components
```

```
    def set_fan_model_name(self,new_fan_model_name)->None:
        """
            Sets the fan_model_name attribute of the calling object to @new_fan_model_name
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_model_name)!=str:
            raise TypeError("new_fan_model_name must be str")
        self.fan_model_name=new_fan_model_name

    def set_fan_specification_met(self,new_fan_specification_met)->None:
        """
            Sets the fan_specification_met attribute of the calling object to @new_fan_specification_met
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_specification_met)!=str:
            raise TypeError("new_fan_specification_met must be str")
        self.fan_specification_met=new_fan_specification_met

    def set_fan_blade_material(self,new_fan_blade_material)->None:
        """
            Sets the fan_blade_material attribute of the calling object to @new_fan_blade_material
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_blade_material)!=str:
            raise TypeError("new_fan_blade_material must be str")
        self.fan_blade_material=new_fan_blade_material

    def set_fan_manufacturer(self,new_fan_manufacturer):
        """
            Sets the fan_manufacturer attribute of the calling object to @new_fan_manufacturer
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_manufacturer)!=str:
```

```
            raise TypeError("new_fan_manufacturer must be str")
        self.fan_manufacturer=new_fan_manufacturer

    def set_fan_country_of_origin(self,new_fan_country_of_origin)->None:
        """
            Sets the fan_country_of_origin attribute of the calling object to @new_fan_country_of_origin
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_country_of_origin)!=str:
            raise TypeError("new_fan_country_of_origin must be str")
        self.fan_country_of_origin=new_fan_country_of_origin

    def set_fan_model_num(self,new_model_num)->None:
        """
            Sets the model_num attribute of the calling object to @new_model_num
            Before setting, TypeCheck is performed.
        """
        if type(new_model_num)!=str:
            raise TypeError("new_model_num must be str")
        self.fan_model_num=new_model_num

    def set_fan_ASIN(self,new_fan_ASIN)->None:
        """
            Sets the fan_ASIN attribute of the calling object to @new_fan_ASIN
            Before setting, TypeCheck is performed.
        """
        if type(new_fan_ASIN)!=str:
            raise TypeError("new_fan_ASIN must be str")
        self.fan_ASIN=new_fan_ASIN
    def show(self)->None:

        """
            This function display all the characterstics of Fan class
        """
        print("Brand:{}".format(self.fan_brand))
```

```
        print("Colour:{}".format(self.fan_colour))
        print("Electric fan design:{}".format(self.electric_fan_design))
        print("Power Source:{}".format(self.fan_power_source))
        print("Style:{}".format(self.fan_style))
        print("Product Dimension:{}".format(self.fan_prod_dimensions.__dict__))
        print("Room type:{}".format(self.room_type))
        print("Special Feature:{}".format(self.fan_feature))
        print("Mounting type:{}".format(self.fan_mounting_type))
        print("Controller type:{}".format(self.fan_controller_type))
        print("Material:{}".format(self.fan_material))

        print("Number of Speeds:{}".format(self.fan_nr_of_speed))
        print("Wattage:{}".format(self.fan_wattage))
        print("Finish Type:{}".format(self.fan_finish_type))
        print("Number of blades:{}".format(self.fan_nr_of_blades))
        print("Air flow capacity:{}".format(self.fan_air_flow_capacity))
        print("Speed :{}".format(self.fan_speed))
        print("Switch type :{}".format(self.fan_switch_type))
        print("Included Components:{}".format(self.fan_included_components))
        print("Model Name:{}".format(self.fan_model_name))

        print("Specification Met:{}".format(self.fan_specification_met))
        print("Blade Material:{}".format(self.fan_blade_material))
        print("Country of Origin:{}".format(self.fan_country_of_origin))
        print("Model number:{}".format(self.fan_model_num))
        print("ASIN number:{}".format(self.fan_ASIN))



def main():
    fan_obj=Fan(
                "Crompton",
                "Lustre Brown",
                "Ceiling Fan",
                "Electricity",
```

```
            "Sea Sapphira(1 Star Rated)",
            ProductDimension(54.5,25.5,19.4,3.4),
            ["Living Room","Bedroom","Daning Room"],
            "High Velocity",
            "downrod mount",
            "Regulator Control",
            "Aluminium",
            3,
            51,
            "Power Coated",
            3,
            "210 Cubic Matres Minute",
            380,
            "Push Button",
            ["Fan motor","Balanced blade set","downrod","canopies","safety cable and shackle kit
assembly"],
            "CROMPTON SUREBREEZE SEA",
            "CE",
            "CRCA",
            "Crompton Greaves Consumer Electricals Limited",
            "India",
            "CFSBSSP48LB1S",
            "B0BTS9GG2V"
    )
    print("FAN PRODUCT DETAILS:")
    fan_obj.show()
    #we can also get the attribute using getter method and
    #set the specific attribute using setter method
    sys.exit(0)
main()

"""
Ouput:
-----------------------------------------------
FAN PRODUCT DETAILS:
Brand:Crompton
```

Colour:Lustre Brown
Electric fan design:Ceiling Fan
Power Source:Electricity
Style:Sea Sapphira(1 Star Rated)
Product Dimension:{'length': 54.5, 'width': 25.5, 'height': 19.4, 'weight': 3.4}
Room type:['Living Room', 'Bedroom', 'Daning Room']
Special Feature:High Velocity
Mounting type:downrod mount
Controller type:Regulator Control
Material:Aluminium
Number of Speeds:3
Wattage:51
Finish Type:Power Coated
Number of blades:3
Air flow capacity:210 Cubic Matres Minute
Speed :380
Switch type :Push Button
Included Components:['Fan motor', 'Balanced blade set', 'downrod', 'canopies', 'safety cable and shackle kit assembly']
Model Name:CROMPTON SUREBREEZE SEA
Specification Met:CE
Blade Material:CRCA
Country of Origin:India
Model number:CFSBSSP48LB1S
ASIN number:B0BTS9GG2V
"""