

1) Instance Variable

- a. String Model : Contain Model
- b. String serial_Number : Contain Serial Number
- c. String Status : Contain PM level Status
- d. int Price : Contain Price of Air Purifiers
- e. Boolean Power : True when that Air Purifiers turn on and False when that Air Purifiers turn off

2) Instance Methods

- a. void turnOn() : This method use to turn on the Air Purifiers
- b. void turnOff() : This method use to turn off the Air Purifiers
- c. void getInformation() : This method will show model serial number and price on that air purifier
- d. String getPM_level(int sensor) : This method will return PM2.5 level dependent on sensor value
- e. String Show_Status() : This method will return the PM2.5 Status

3) Class variable

- a. Int c3_model_count : Contain a number of object in model 3C
- b. Int h3_model_count : Contain a number of object in model 3H
- c. Int pro_model_count : Contain a number of object in model Pro
- d. Int pro_H_model_count : Contain a number of object in model Pro H
- e. Int Four_model_count : Contain a number of object in model 4
- f. Int Four_pro_model_count : Contain a number of object in model 4 Pro
- g. String [] c3_serialNumber : Contain any serial number in model 3C
- h. String [] H3_serialNumber : Contain any serial number in model 3H
- i. String [] pro_serialNumber : Contain any serial number in model Pro
- j. String [] pro_H_serialNumber : Contain any serial number in model Pro H
- k. String [] Four_serialNumber : Contain any serial number in model 4
- l. String [] Four_pro_serialNumber : Contain any serial number in model 4 Pro

4) Class method

- a. void c3_count_model(String serial_Number) : This method use to count in model 3C and have different serial numbers
- b. void H3_count_model(String serial_Number) : This method use to count in model 3H and have different serial numbers
- c. void pro_count_model(String serial_Number) : This method use to count in model pro and have different serial numbers
- d. void pro_H_count_model(String serial_Number) : This method use to count in model Pro H and have different serial numbers
- e. void Four_count_model(String serial_Number) : This method use to count in model 4 and have different serial numbers
- f. void Four_Pro_count_model(String serial_Number) : This method use to count in model 4 Pro and have different serial numbers