**Name**: Steve Hommy

**Pair: -**

**Amount of completed tasks: 9**

**Which tasks were left undone or incomplete: 0**

Self-assessment:

This exercise was easy/difficult/ok/etc. for me because…

Doing this exercise, I learned…

I am still wondering…

I understood/did not understand that… ; I did/did not know that… ; I did/did not manage to do…

## Test report

Write the test report yourself to each coding task (task number, input/action, desired output and then the testing evidence (actual output)). Add rows if necessary. Include answers to theoretical questions and pseudocode to this return document as well in addition to code screen captures. Actual output can be a screen capture of the terminal showing the output.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Input / action** | **Desired output** | **Actual output (use red color if desired output != actual output)** |
| **1** | <Run Program> | Houses status:  Bedroom:  Window: Dirty  Floor: Dirty  Bed: Unmade  Surfaces: Dusty  Kitchen:  Window: Dirty  Floor: Dirty  Fridge: Empty  Surfaces: Dusty  Bathroom:  Surfaces: Dusty  Toilet paper: Running out  Washing the windows and making the bed  Vacuuming the floor and cleaning surfaces  Going shopping to refill fridge and buy more toilet paper  We should prepare for the lockdown and buy more toilet paper  Houses status:  Bedroom:  Window: Clean  Floor: Clean  Bed: Made  Surfaces: Clean  Kitchen:  Window: Clean  Floor: Clean  Fridge: Filled  Surfaces: Clean  Bathroom:  Surfaces: Clean  Toilet paper: More than enough | Houses status:  Bedroom:  Window: Dirty  Floor: Dirty  Bed: Unmade  Surfaces: Dusty  Kitchen:  Window: Dirty  Floor: Dirty  Fridge: Empty  Surfaces: Dusty  Bathroom:  Surfaces: Dusty  Toilet paper: Running out  Washing the windows and making the bed  Vacuuming the floor and cleaning surfaces  Going shopping to refill fridge and buy more toilet paper  We should prepare for the lockdown and buy more toilet paper  Houses status:  Bedroom:  Window: Clean  Floor: Clean  Bed: Made  Surfaces: Clean  Kitchen:  Window: Clean  Floor: Clean  Fridge: Filled  Surfaces: Clean  Bathroom:  Surfaces: Clean  Toilet paper: More than enough |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Code

# File name: house.py

# Author: Steve Hommy

# Description: Create a House Class

class House:

    def \_\_init\_\_(self):

        self.bedroom\_window = "Dirty"

        self.kitchen\_window = "Dirty"

        self.bedroom\_floor = "Dirty"

        self.kitchen\_floor = "Dirty"

        self.bedroom\_bed = "Unmade"

        self.bedroom\_surfaces = "Dusty"

        self.kitchen\_surfaces = "Dusty"

        self.bathroom\_surfaces = "Dusty"

        self.kitchen\_fridge = "Empty"

        self.bathroom\_toilet\_paper = "Running out"

    def set\_wash\_windows\_and\_bed\_is\_made(self):

        self.bedroom\_window = "Clean"

        self.kitchen\_window = "Clean"

        self.bedroom\_bed = "Made"

    def get\_wash\_windows\_and\_bed\_is\_made(self):

        print("Washing the windows and making the bed")

        return self.bedroom\_window, self.kitchen\_window, self.bedroom\_bed

    def set\_vacuum\_floors\_and\_clean\_surfaces(self):

        self.bedroom\_floor = "Clean"

        self.kitchen\_floor = "Clean"

        self.bedroom\_surfaces = "Clean"

        self.kitchen\_surfaces = "Clean"

        self.bathroom\_surfaces = "Clean"

    def get\_vacuum\_floors\_and\_clean\_surfaces(self):

        print("Vacuuming the floor and cleaning surfaces")

        return self.bedroom\_floor, self.kitchen\_floor, self.bedroom\_surfaces, self.kitchen\_surfaces, self.bathroom\_surfaces

    def set\_shopping(self):

        self.kitchen\_fridge = "Filled"

        self.bathroom\_toilet\_paper = "Enough"

    def get\_shopping(self):

        print("Going shopping to refill fridge and buy more toilet paper")

        return self.kitchen\_fridge, self.bathroom\_toilet\_paper

    def set\_enough\_toilet\_paper(self):

        self.bathroom\_toilet\_paper = "More than enough"

    def get\_enough\_toilet\_paper(self):

        print("We should prepare for the lockdown and buy more toilet paper")

        return self.bathroom\_toilet\_paper

    def \_\_str\_\_(self):

        return f"""

    Houses status:

    Bedroom:

    Window: {self.bedroom\_window}

    Floor: {self.bedroom\_floor}

    Bed: {self.bedroom\_bed}

    Surfaces: {self.bedroom\_surfaces}

    Kitchen:

    Window: {self.kitchen\_window}

    Floor: {self.kitchen\_floor}

    Fridge: {self.kitchen\_fridge}

    Surfaces: {self.kitchen\_surfaces}

    Bathroom:

    Surfaces: {self.bathroom\_surfaces}

    Toilet paper: {self.bathroom\_toilet\_paper}

    """

# File: main.py

# Author: Steve Hommy

# Description: Main function

from house import House

def main():

    house = House()

    print(house)

    house.set\_wash\_windows\_and\_bed\_is\_made()

    house.get\_wash\_windows\_and\_bed\_is\_made()

    house.set\_vacuum\_floors\_and\_clean\_surfaces()

    house.get\_vacuum\_floors\_and\_clean\_surfaces()

    house.set\_shopping()

    house.get\_shopping()

    house.set\_enough\_toilet\_paper()

    house.get\_enough\_toilet\_paper()

    print(house)

main()