Introduction

The program evaluate the behavior of house vacuum including charging, spot cleaning, dust cleaning, general cleaning, etc.

The testing program run in rounds. In each round, it will print the current blackboard following by the output of tasks.

Assumptions

- The blackboard is init with random values e.g. battery level to be between 1 and 100
- At the start of each round for Random Testing(Option 5), it reset all clean arguments in blackboard with 20% to be TRUE.
- At the end of each round, the battery level drop 1
- The chance of getting a dusty spot is 20%
- The Program uses actual timers that corresponds to real life

Run

To run the program:
```

python vacuum.py
```

The program will then ask for options: 1:SpotClean 2:General Cleaning 3: Both 4: None. 5: Testing. While the 1-4 manually sets the blackboard values, 5 will randomly generate blackboard parameters. If 5 is selected, you will be prompted to enter an int that corresponds to number of rounds.