

The Skateboard class acts as a general class for any type of skateboard. Each skateboard must have 4 wheels as determined by the class variable. The data variables I chose to include were the board, wheels, and trucks. These are special per each skateboard that the user chooses to create. The Board is a string that demonstrates the brand of the skate deck. The wheels is a string that demonstrates the brand of wheels on the trucks. The trucks is a string that demonstrates the brand and style of trucks on the setup.

The get-set methods are pretty self explanatory, but they simply access the private data variables of the original skateboard. For example, the `get_board` method takes in `self` to access the data and returns the private board information. For each get method, there is a complementary set method that takes in `self` and the data that will be changed. For example, the `set_board` method takes in `self` and `board` which will in turn access the private board data through `self` and set it to the new board.

Continuing about methods, the first and simplest method is the `list_setup` method which takes in `self` and returns a list which uses the `get_` methods to access and print the data. Next is the `do_a_trick` method which takes in `self` and two variables outside of the class: confidence and trick. Confidence variable is used to determine whether or not the trick is landed. The trick is solely used to keep track of what trick. Finally, the `pop` method takes in `self` and strength. Based on the strength, an airtime is calculated and a timer is set.

In the demo program, I create a specific rendition of the skateboard class that mimics my first skateboard build in line 79 and is printed out using the `list_setup` method in line 81. However, due to wear and tear, I needed a new deck and thus used the `set_board` method to change the deck in line 84 which is then used in the `list_setup` function in line 85. After my current board setup is made, I demonstrated the `do_a_trick` method. Using a kickflip as my trick and a confidence of 6, the program usually returns a positive result and a `True` bool. However, with treflip as the trick and the confidence set to 2, the trick is often missed and an uplifting message is returned along with a `False` bool. Finally, my last two implementations of the program include the `pop` method. This method accessed through the Skateboard class acts as an ollie demonstration. Based on the strength inputted, the airtime is calculated and a timer using that airtime is printed along with a positive message.