

class Car

[Start Assignment](#)

- Due Thursday by 11:59pm
- Points 30
- Submitting a file upload
- Attempts 0
- Allowed Attempts 2
- Available after May 2 at 11:59pm

Please use IDLE to write your code. Save it as .py to upload.

Instruction:

Write a class named Car that uses the following data attributes:

- An attribute variable named `__year` that holds the car's year
- An attribute variable named `__make` that holds the make of the car
- An attribute variable named `__speed` that holds the car's current speed

The class should have the following methods:

An `__init__` method that accepts the car's year and make as arguments. These values should be assigned to the object's `__year` and `__make` data attributes. It should also assign 0 to the `__speed` data attribute.

A method named `accelerate` that adds 5 to the `__speed` data attribute each time it is called.

A method named `brake` that subtracts 5 from the `__speed` data attribute each time it is called.

A method named `get_speed` that returns the current speed

After you have written the class, write code that creates a Car object and then calls the `accelerate` method five times. After each call to the `accelerate` method, get the current speed of the car and display it. Then call the `brake` method five times. After each call to the `brake` method, get the current speed of the car and display it.

The following sample run shows an example of how your program's output should appear.

Sample Run:

5
10
15
20
25
20
15
10
5
0

Program Deliverables				
Criteria	Ratings			Pts
Deliverables	30 pts Full Marks Class accurately implements all required data. Code successfully creates a Car object, calls the accelerate and brake methods five times each, displaying the current speed after each call. Code adheres closely to the given requirements. Comments , introductory docstring present.	15 pts Partial Marks Class implements some required data attributes. Code creates a Car object but may have errors in calling methods or displaying speed. Code partially adheres to the given requirements, with noticeable deviations.	0 pts Partial Marks Class fails to implement required data attributes. Code fails to create a Car object or call its methods. Code does not meet the given requirements. Or did not submit.	30 pts
Total Points: 30				