Requirements
This hands-on is broken into two parts. Please complete each part within your main.py file.

Part 1

1. Create a class named Stadium
2. Use the init method to include the following three properties:
    - name
    - city_state
    - capacity
3. Hint! What is the property that is included in every method? Don't forget that one!
4. Initialize each property/attribute within the init method
5. Include a docString for the class and method
6. Create another method within the Stadium class named describe_stadium
7. The describe_stadium method should utilize each method from the Stadium class which will then print a description of the arena (see step 10 for an example of a description).
8. Create a new instance of the Stadium class named stadium1.
9. The stadium1 instance should provide values for each of the three properties of the Stadium class
10. Finally, stadium1 should call the describe_stadium method.

The output should be similar to the following:
The Mercedes Benz Arena is located in Atlanta, GA, and holds 70,000 fans.

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Part 2

1. Add two more methods to the Stadium class:
    - sport_played - This method should accept one argument that specifies the sport that is played
    - seats_available - This method should accept one argument that specifies how many seats are available
2. Each of the above methods should print out a sentence using the argument provided (see step 4 for output)
3. Using the stadium1 instance, call each of the new methods, providing the relevant arguments. As an example, if the following code to use the class were added:

After running this program in your terminal, the output should be similar to the following:
The Mercedes Benz Arena is in Atlanta, GA, and holds 70000 fans.
The following sport is mainly played in this stadium: Football

4. There are 15000 seats still available for tonight's game.

```
#Part 1 and 2
class Stadium:
    #: The docstring for the 'Standium' class
```

```
    """The summary docstring for the Stadium class. This class represents
a Stadium."""
    def __init__ (self, name, city_state, capacity, sport_played,
seats_available):
        self.name = name #: The 'name' property represetns the Stadium's
name
        self.city_state = city_state #: The 'city_state' property
represetns the Stadium's city_state
        self.capacity = capacity #: The 'capacity' property represetns the
Stadium's capacity
#: Adding two methods to 'Stadium' class called sport_played and
seats_available
        self.sport_played = sport_played
        self.seats_available = seats_available

#: One method, 'describe_stadium' are defined for the 'Stadium' class
    """The summary docstring for the 'describe_stadium' method in the
Stadium class. This method represents a description."""
    def describe_stadium (self):
            print("The " + self.name + "is located in " + self.city_state
+ " and holds " + self.capacity + " fans.")
            print("The following sport is mainly palyed in this staium: "
+ self.sport_played + ". There are " + self.seats_available + " seats
still available for tonight's game.")

# Create an Instance of that class
stadium1 = Stadium("Mercedes Benz Arena", "Atlanta, GA", "70,000",
"Football", "15000 seats")

# Call that Function
stadium1.describe_stadium()
```

```python
#Part 1 and 2
class Stadium:
    #: The docstring for the 'Standium' class
    """The summary docstring for the Stadium class. This class represents a Stadium."""
    def __init__ (self, name, city_state, capacity, sport_played, seats_available):
        self.name = name #: The 'name' property represetns the Stadium's name
        self.city_state = city_state #: The 'city_state' property represetns the Stadium's city_state
        self.capacity = capacity #: The 'capacity' property represetns the Stadium's capacity
#: Adding two methods to 'Stadium' class called sport_played and seats_available
        self.sport_played = sport_played
        self.seats_available = seats_available

#: One method, 'describe_stadium' are defined for the 'Stadium' class
    """The summary docstring for the 'describe_stadium' method in the Stadium class. This method represents a description."""
    def describe_stadium (self):
            print("The " + self.name + "is located in " + self.city_state + " and holds " + self.capacity + " fans.")
            print("The following sport is mainly palyed in this staium: " + self.sport_played + ". There are " + self.seats_available + " seats

# Create an Instance of that class
stadium1 = Stadium("Mercedes Benz Arena", "Atlanta, GA", "70,000", "Football", "15000 seats")

# Call that Function
stadium1.describe_stadium()
```

```
The Mercedes Benz Arenais located in Atlanta, GA and holds 70,000 fans.
The following sport is mainly palyed in this staium: Football. There are 15000 seats seats still available for tonight's game.
```

Notes from mentor:

```
class Stadium:
    """This class represents an area"""
    def __init__(self, name, city_state, capacity):
        """This describes the arena"""
        self.name = name
        self.city_state = city_state
        self.capacity = capacity
    def describe_stadium(self):
        print("The " + self.name + " is located in " + self.city_state + " and holds "
+ self.capacity + " fans")
    def sport_played(self, sport):
        print("The following sport is played in this arena: " + sport)
    def seats_available(self, seats):
        print("There are " + seats + " seats still available for tonight's game!")
stadium1 = Stadium("Mercedes Benz Arena", "Atlanta, GA", "70,000")
stadium1.describe_stadium()
stadium1.sport_played("Football")
stadium1.seats_available("1300")
```

```
class Stadium:
```

```
   #: The docstring for the 'Standium' class
   """The summary docstring for the Stadium class. This class represents a Stadium."""
   def __init__ (self, name, city_state, capacity):
       self.name = name #: The 'name' property represetns the Stadium's name
       self.city_state = city_state #: The 'city_state' property represetns the Stadium's
city_state
       self.capacity = capacity #: The 'capacity' property represetns the Stadium's
capacity
#: One method, 'describe_stadium' are defined for the 'Stadium' class
   """The summary docstring for the 'describe_stadium' method in the Stadium class. This
method represents a description."""
   def describe_stadium (self):
           print("The " + self.name + "is located in " + self.city_state + " and holds "
+ self.capacity + " fans.")
# Create an Instance of that class
stadium1 = Stadium("Mercedes Benz Arena", "Atlanta, GA", "70,000")
# Call that Function
stadium1.describe_stadium()
```

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`__init__` function has two underscores before and after. Also, every attribute **after** `self` needs a value provided when creating an instance of the class. So I removed `"stadium1"` from inside `Stadium()` when creating the `stadium1` instance. (edited)