

22C:16 Quiz 13

Implement a class called `bag`. Each instance of the `bag` class contains some number of red balls, some number of blue balls and some number of green balls. Here is an example of how I would construct an instance of the `bag` class:

```
x = bag(3, 4, 2)
```

This assignment creates an instance of the `bag` class called `x` that contains 3 red, 4 blue, and 2 green balls.

The `bag` class should provide one method called `select` that “selects” *at random* one ball from the `bag` instance, deletes it from the `bag` instance and returns a string "R", "B" or "G" indicating the color of the ball selected. Here is an example of how I would call this method:

```
print x.select()
```

Given that `x` has 3 red, 4 blue, and 2 green balls, the call to the above method would return "R" with probability 3/9, "B" with probability 4/9 and "G" with probability 2/9. You can assume that the `bag` instance contains at least one ball before `select` is called.

Suggestion. My suggestion would be to use three `int` attributes to keep track of how many red, blue, and green balls the `bag` instance contains.

What to write. You have to write down the implementation of the `bag` class with one constructor method and one method called `select`.