**Question1.py**

* Define a class of Bird.
* Define the constructor:
* The constructor has 4 parameters *name*, *habitat*, *max\_eggs* and *isRoofbird*.
* The *attribute name* stores the given name in (String).
* The *attribute habitat* stores the given habitat in. Habitat area can have the following values (case sensitive):
* forest
* pasture
* swamp
* multi
* If an invalid habitat was entered, a ValueError is thrown with the error *"This is not a valid habitat".*
* The attribute *max\_eggs* stores the given max\_eggs in.
* Maximum number of eggs the bird can lay: All birds lay at least 1 egg and the maximum number of eggs is 6. Raise a ValueError if the given value is not in this interval.
* The *attribute isRoofbird* stores the given value of *isRoofbird* in (boolean).
* Create a method plumes that calculates the number of plumes using the following rules:
* There are three habitats: "forest," "meadow" and "marsh."
* a bird living in the forest scores 1 point
* the meadow 2
* the swamp 3 points.
* There are also birds that can live in multiple areas, for this the habitat is described as "multi," these birds receive 1 minus point.
* For the number of eggs, it is calculated as follows:
* A bird that lays 1 egg gets 1 extra feather.
* For 2 and 3 eggs, 2 feathers.
* 4 and 5 eggs are 3 plumes.
* A bird that lays 6 eggs will have 4 feathers.
* There are also birds of prey. These are indicated by True or False. If a raptor lives in forest area, its score doubles.
* This function returns the final score. (number)
* When an object is printed, the output is a text with this shape:

*The ??? is a bird of prey, lives in the ??? and can lay up to ??? eggs.*

*The ??? scores ???? plumes.*

**OR**

*The ??? is not a bird of prey, lives in the ??? and can lay a maximum of ??? eggs.*

*The ??? scores ???? plumes.*

**Example:**

bird1 = Bird("Owl", "forest",4,True)

print(bird1)

The Eagle Owl is a bird of prey, lives in the forest and can lay up to 4 eggs

The Eagle Owl scores 8 plumes

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Bird2 = Bird("Wild duck", "marsh",5,False)

print(bird2)

The Wild Duck is not a bird of prey, lives in the marsh and can lay up to 5 eggs

The Wild Duck scores 6 plumes

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Bird2 = Bird("Canary", "Meadow",1,False)

print(bird2)

This is not a valid habitat