**­­Python Assignment 4**

**Submission Requirements:**

Submit dogClass.py

**Part 1**

User created data types are useful abstractions of information.

Create a python class to represent dogs at veterinary clinic.

Each dog should have the following properties:

* Name
* Age
* Owner
* Next appointment

Reference: [Python Classes](https://www.w3schools.com/python/python_classes.asp)

**Part 2**

When next appointment data is initialized, it will be given as a tuple of integers. Example (9, 22, 2022).

Create a function as part of the Dog class to convert this tuple to a string. Example “9/22/22”.

*Hint: Import and use the functions of the datetime library*

Reference: [Python datetime Library](https://www.w3schools.com/python/python_datetime.asp)

**Part 3**

The vet clinic stores the dogs they care for in an array.

Problem: Search the array list to determine which dogs have an appointment for a given month.

Requirements:

* Name the function findAppointments
* The function should take two parameters, the array of dogs, and an integer that represents a month
* Return an array of tuples. The list should consist of any dogs that have an appointment for the searched month. The tuple should consist of the dog’s name and the appointment date as a string. Ex: (“Rover”, “9/18/22”)

*Hint: Use your function from Part 2 to assist with the tuples in the return array.*