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# File: Student.py
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# Course Name: CS303E
#
# Date Created: 3/24/2021
# Date Last Modified: 3/24/2021
# Description of Program: Defining a private student class where objects will
contain a name, and two exam grades.

class Student:
    #Private objects so it's not easy to change the values
    def __init__(self, name, exam1 = "None", exam2 = "None"):
        self.name = name
        self.exam1 = exam1
        self.exam2 = exam2

    # Getter (to receive) functions for name, exam grades, and average
    def getName (self):
        return self.name

    def getExam1Grade (self):
        if self.exam1 == "None":
            return
        else:
            return self.exam1

    def getExam2Grade (self):
        if self.exam2 == "None":
            return
        else:
            return self.exam2

    def getAverage (self):
        if self.exam1 == "None":
            print("Some exam grades not available.")
        elif self.exam2 == "None":
            print("Some exam grades not available.")
        elif self.exam1 and self.exam2 == "None":
            print("Some exam grades not available.")
        else:
            self.average = (((self.exam1 + self.exam2)/2))
            return self.average

    # Setter (to set values) functions for exam grades
    def setExam1Grade (self, exam1):
        self.exam1 = exam1

    def setExam2Grade (self, exam2):
        self.exam2 = exam2

    #Printing/ returning the information in string format
    def __str__(self):
        print ("Student: " + self.name)
        print ("  Exam1: " + str(self.exam1))
        return "  Exam2: " + str(self.exam2)
```