10/10/21

Name: *Matthew E.* Class section: 7

- 1. Define a **Student** class that maintains data for the name, graduation year, and major of a student. Your class should include the following methods:
 - A constructor that takes a name and a graduation year. It also sets the student's major to initially be "Undecided".
 - A *getter* method for every class variable.
 - A setter method for every class variable.
 - A toString() method that returns a string summarizing a student's name, graduation year, and major.

```
class Student(object):
def __init__(self, name, gradYear):
   self.name = name
   self.gradYear = gradYear
   self.major = "Undecided"
def getName(self):
   return self.name
def getGradYear(self):
   return self.gradYear
def getMajor(self):
   return self.major
def setName(self, name):
   self.name = name
def setGradYear(self, gradYear):
   self.gradYear = gradYear
def setMajor(self, major):
   self.major = major
def toString(self):
   return "%s, year of %i: majoring in %s" % (self.name, self.gradYear, self.major)
```

2. Define a main program that creates a *Student* object to represent you. Set your major to an appropriate value. Then use the toString() method to print a summary about you.

def main():
 myStudent = Student("Matthew Erdman", 2023)
 myStudent.setMajor("Computer Science")
 print(myStudent.toString())

>>> import student Matthew Erdman, year of 2023: majoring in Computer Science