Homework

**Question 1**

What is a Class vs an instance of a Class?

Class is a template, instance of a class is a variable that can actually use the template

**Question 2**

What is the difference between regular (local) variables and @instance variables?

instance variables are ways to attach variables to instances of a class. Local variables have a limited scope.

**Question 3**

What does attr\_accessor do for us? What's an alternative to usingattr\_accessor which would achieve the same outcome?

attr reader :balance # attr reader does exactly the code below --- it just reads the @balance.

def balance

@balance

end

attr\_writer :balance #attr writer does exactly the code below --- allows you to set the @balance

def balance= (value)

@balance = value

end

**Question 4**

What is the purpose of the initialize method used in classes? Do you have to specify an initialize for one of your classes?

lets you pass in parameters that the class can accept.

**Question 5**

Assuming a class Computer exists in our program, write out the one-line code to create an instance of it and have a variable called computer pointing to that instance.

Lecture

class SavingsAccount

def initialize(starting\_balance)

@balance = starting\_balance

end

attr reader :balance # attr reader does exactly the code below --- it just reads the @balance.

def balance

@balance

end

attr\_writer :balance #attr writer does exactly the code below --- allows you to set the @balance

def balance= (value)

@balance = value

end

def withdraw(amount)

@some\_other\_variable = 123556

if @balance >= amount

@balance -= amount

else

“Insufficient funds”

end

end

bad practice to create new instance variables in methods of the class because, it might not have been created yet. That new @instance variable would only be created when that method is hit in the program. For example in the withdraw method @some\_other\_variable might not be created if you want to call it later.

usually classes are in their own separate files.