Question 4:

Part A.) Output: I am walking.

I am flying.

The Bird class extends the animal class. As a result, the bird object created has access to both the fly() method in the Bird class as well as the walk() method in the Animal class via inheritance.

Part B.) Output: false //because ABC in the string does has a comma after it not a space

true //because ABC is found in the string

A,B;C // the , and ; are not replaced because the replaceAll method is looking for the combination of ,; instead of , and ; separately

A#B#C //successfully implements replacing all , and ; with # by implement the inclusive [] around the search keys , and ;

A B C //splits the original string into a one dimensional array of strings A, B, and C

Part C.) Output: Person

Person

Part C outputs Person Person and not Person Student because the printInfo() method calls the getInfo() method because getInfo() is private in both Student and Person the getInfo() method in the Student Class does not override the getInfo() method in the Person class. As a result the output of the printPerson() method of an object type student is Person. To have it output student you would need to change both methods to protected.