Question 1: nz.ac.aut.hsv54333.dsa2017.lab01

Question 2: factories, queries, commands, private

Question 3: left, right

Question 4: when the object ‘O’ is an intpair and our left and its left are the same aswell as our right and its right is equal aswell

Question 5: there are 3 the first one takes in the left and the right fields as pramaters and returns them, the second one takes in the left and the right and replaces the left and returns the new left with the old right, this one takes in the left and right feailds and changes the right one then the returns the old left with the new right

Question 5: 11 tests

Question 6: 1. Test make basic creates a pair of numbers and checks to see if there not null and the left matches 10 and the right matches -10

2. attemtps to create an intpair and will fail if the new left is a null

3. attemtps to create an intpair and will fail id the new right is a null

4. checks to see if the new left is not a null and that the olf left and the new left are equal

5. check to see if the new right is not null and the old right and then right are equal

6.check to see if there if the int pairs are the same and then checks the factory method using the 2 booleen values

7. test to see if the two pairs are the equal

8. tests to see if the int pair equals null

9. checks to see if the int pair p1 equals p2 and that p2 equals p1

10 creates 3 intpairs and checks to see if there are all equal

11.creates 2 intpairs and checks there equality with themselves and there hashcode

Question 7: intpair to string method for its just making a string its not taking in any prameters

Question 8: the big draw back for the mono class is that both the objects have to be of the same type so a string object and a string It can’t not be a string and an int