**Part 5: Logic Check and Level of Understanding**

1. 1. ArrayList<Pomeranian>();
   2. ArrayList<Pomeranian><Cat>;
   3. ArrayList<eat()>;
   4. ArrayList<sleep(GreatDane)>;
   5. ArrayList<Pomeranian><Siamese>;
   6. ArrayList<yap(Pomeranian, Siamese)><ignoreYou(Pomeranian, Siamese)>;

Entering recur with k = 0

Recursing with k = 0

Entering recur with k = 1

Recursing with k = 1

Entering recur with k = 2

Recursing with k = 2

Entering recur with k = 3

Recursing with k = 3

Entering recur with k = 4

Leaving recur with k = 4

Leaving recur with k = 3

Leaving recur with k = 2

Leaving recur with k = 1

Leaving recur with k = 0

count = 0

1. Similar to reverse6, we would then have **return** (s.substring(6,7) + s.substring(5, 6) + s.substring(4,5) + s.substring(3,4) + s.substring(2,3) + s.substring(1, 2) + s.substring(0, 1));
2. 1. It will return tonfidenc
   2. tnedifnoc
   3. They’d have to use **return** (s.substring(8,9) + s.substring(7,8) + s.substring(6,7) + s.substring(5, 6) + s.substring(4,5) + s.substring(3,4) + s.substring(2,3) + s.substring(1, 2) + s.substring(0, 1));
3. 1. 1
   2. 2
   3. 6
   4. Any digits between 0 1o 9