1. A. ArrayList<Pomeranian> poms = new ArrayList<Pomeranian>();

B. ArrayList<Pets> pets = new ArrayList<Pets>();

C. ArrayList<Pets> pets2 = new ArrayList<Pets>();

D. ArrayList<Dane> sleepingDanes = new ArrayList<Dane>();

E.ArrayList<Pets> pets = new ArrayList<Pets>();

F. ArrayList<Pets> pets = new ArrayList<Pets>();

1. Version 1:

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

Version 2:

count = 0

count = 1

count = 2

count = 3

count = 4

count = 5

Version 3: N/A

Version 4:

count = 0

count = 1

count = 2

count = 3

count = 4

Version 5:

count = 0

Version 6:

count = 0

count = 1

count = 2

count = 3

count = 4

1. So reverse7 would extend reverse6(). You can return the last character of the String and put it in front and put reverse6() which will return the first 6 characters in reverse order.
2. It returns : ctnedifno.

It should return: tnedifnoc

They should put the firstLetter variable in the back and partial in front.

1. digitCount(0) = 1

digitCount(10) =2

digitCount(314159) is 6

From 0-9 it will return 1.