1.) What is output by the following code?

Map<Integer, String> mapJ = new TreeMap<Integer, String>();

mapJ.put(12, "A");

mapJ.put(3, "CC");

mapJ.put(7, "A");

mapJ.put(12, "C");

mapJ.put(5, "CC");

for(int k : mapJ.keySet())

System.out.print(mapJ.get(k) + " ");

2.) What is output by the following code?

ArrayList<String> listH = new ArrayList<String>();

listH.add(0, "Q");

listH.add("P");

listH.add(0, "K");

listH.add(1, "P");

listH.add("X");

listH.remove(2);

System.out.print(listH);

3.) What is output by the following code?

int[] dataI = {5, 8, -2, 0, 2, 4};

ArrayList<Integer> listI = new ArrayList<Integer>();

for(int xi : dataI)

listI.add(xi);

Iterator<Integer> it = listI.iterator();

System.out.print(it.next() + " ");

it.remove();

System.out.print(it.next() + " ");

System.out.print(it.next() + " ");

it.remove();

System.out.print(listI);

4.) What is returned by the method call foo(27, 3)?

public int foo(int n, int c) {

if(n < c)

return 3;

else

return 2 + a(n - c, c + 3);

}

5.) What is returned by method call bar(10)

public int bar(int n) {

if(n <= 2)

return 3;

else

return n % 3 + d(n - 2) + d(n - 4);

}