|  |
| --- |
| **Skill 21.1: Exercise 1** |
| Consider the following code,  int a = 3;  int b = a;  b = 100;  int[] c = {1, 2, 3, 4};  int[] d = c;  d[1] = 99;  d = new int[5]  int[] e = {5, 6, 7, 8};  int[] f = {5, 6, 7, 8};  f[1] = 98;  e = f;  String g = “hello”;  String h = g;  h = “goodbye”; |
| 1. What values are stored in d after the above code is executed? |
| 1. What values are stored in c after the above code is executed? |
| 1. What is the value of b after the above code is executed? |

|  |  |  |
| --- | --- | --- |
| **Skill 21.2: Exercise 1** | | |
| Refer to the code below to answer the following,  public class Tester  {  public static void main(String args[ ])  {  int s[ ] = {1, 2, 3, 4, 5, 6};    for(int g = 0; g < s.length; g++)  System.out.print(s[s] + “ “);  System.out.print(“\n”);  testMethod(s);  for(int g = 0; g < s.length; g++)  System.out.print(s[g] + “ “);  }  public static void testMethod(int pp[ ])  {  int len = pp.length;  int t2[ ] = new int[len];    for(int j = 0; j < len; j++)  t2[j] = pp[len – j – 1];    for(int k = 0; k < t2.length; k++)  System.out.print(t2[k] + “ “);    System.out.print(“\n”);  pp = t2;  }  } | | |
| Complete the stack and heap diagram, then indicate the output that would be printed | | |
| **Stack** | **Heap** | **Output** |
|  |  |  |