1. Tracing Programs
For each program below, show what is displayed on the screen when the code executes.

```java
import java.util.Arrays;
public class Array2D {
    public static void main(String[] args) {
        String[][] table = new String[2][3];
        table[0][0] = "team1";
        table[0][1] = "team2";
        table[0][2] = "result";
        table[1][0] = "Temple";
        table[1][1] = "USF";
        table[1][2] = "ugh";

        for (int i = 0; i < table.length; i++) {
            System.out.println(Arrays.toString(table[i]));
        }

        for (int i = 0; i < table.length; i++) {
            for (int j = 0; j < table[i].length; j++) {
                System.out.print(table[i][j] + " ");
            }
            System.out.println();
        }
    }
}

import java.util.Arrays;
public class Array2D2 {
    public static void main(String[] args) {
        double[][] values = {
            {3, 5.5, -7.2}, // row 1
            {2, -2.5},     // row 2 (only 2 elements)
            {1.5}          // row 3 (only 1 element)
        };

        for (int j = 1; j < values.length; j++) {
            for (int k = 0; k < values[j].length; k++) {
                values[j][k] = values[j - 1][k];
            }
        }

        for (int j = 0; j < values.length; j++) {
            for (int k = 0; k < values[j].length; k++) {
                System.out.print(values[j][k] + " ");
            }
            System.out.println();
        }
    }
}
```
2. **Writing Short Methods**
   a. Write a method that computes the sum of the numbers in an array and returns the sum.
   
b. Write a method that computes the sum of the numbers in a 2D array and returns the sum.
   
c. *Write a method that takes three 2D double arrays as arguments. The method should compute the matrix product of the first two arguments, and store it in the 3rd.
   
d. Write a method that takes an array of Strings as an argument. It should create a new array of the same length, and copy the elements from the first array to the new one in reverse order.