Text pg324 #1,2,3

1. Write a piece of code that will return the maximum value in of the elements in a two dimensional array of int values. Do not assume that the array is rectangular.

2. Write a pieced of code that could be used to print a two-dimensional ragged array of int values. Each row of elements should be printed on its own line with one blank between each element.

3. Write a piece of code that has one int [] [] [] parameter. The code should produce the number of elements in the array. Do not make assumptions about regularity of the array.

4. Write a program that will prompt the user for an integer x. The program then will then <u>create a ragged array to store a pyramid</u> of stars with a length of x and width of x. Print your array.

For example:

If you enter an integer 5, you need to create a ragged array of strings to contain the following information.

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**
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Declare and initialize a multi-dimensional array with the following values of type integer: {5, 8}, {3, -4, 7, 1, 5}, {6, 4, 12}

5. Write a program that will loop through the array and print the smallest integer.

6. Write a program that will loop through the array and print the largest integer.

7. Write a program that will loop through the multi-dimensional array and calculate the sum of the integers in the entire array.

8. Write a program that will loop through the array and calculate the sum of the integers for each row.

```
sum = sum + array[x][y];
}
System.out.println("The sum of ROW " +
(x+1) + " is " + sum);
}
```

- 9. Write a program that will loop through the array and calculate the sum of the integers for each column.
- 10. Write a program that will print the entire array. Each row will be printed on its own line separated by one blank between each element.