Philip Pesic

Week 12

April 9 2023

Week 12 Prog 5

Create a two dimensional integer array called Multiplication table, of 11 by 11 integers.

Write a for loop nested in a for loop. Calculate and assign the results of multiplying the inside and outside index

values to each element of the array.

Write a for loop nested in a for loop to print out the values that are stored in the array.

Make the outputted table lined up and looking like a multiplication table.

```
package Prog5;

class prog5 {
   public static void main(String[] args) {

       int[][] MultiplicationTable = new int[11][11];

       for (int i = 0; i < 11; i++) {
           for (int j = 0; j < 11; j++) {
               MultiplicationTable[i][j] = (i + 1) * (j + 1);
           }
       }

       for (int i = 0; i < 11; i++) {
           for (int j = 0; j < 11; j++) {
               System.out.printf("%4d", MultiplicationTable[i][j]);
           }
           System.out.println();
       }
       System.out.println("Philip Pesic 4/9/23");
   }
}
```

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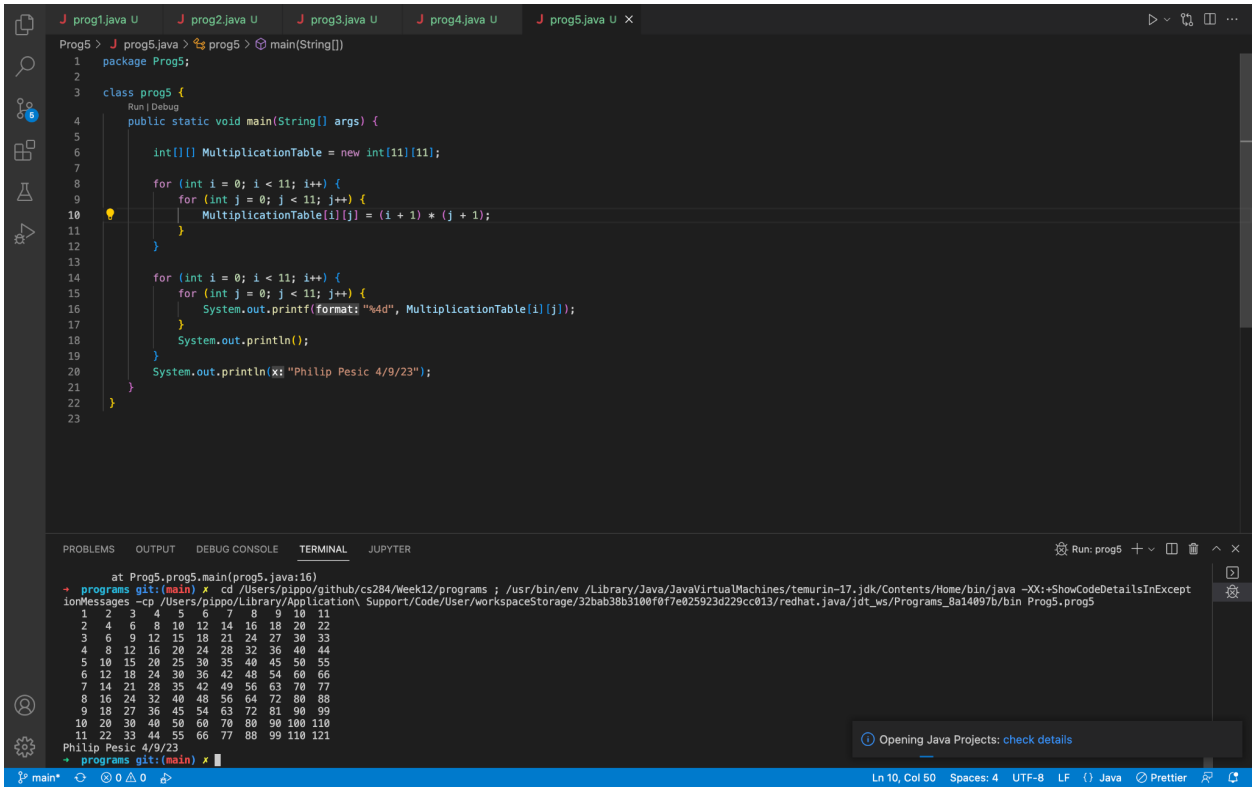

I learned how to use 2d arrays