Philip Pesic

Week 12

April 9 2023

Week 12 Prog 1

Write a program the uses 17 variables and an array of 17 integer variables.

Part 1

In this part, declare 17 individual integer variables, and initialize them each to 0.

Write 17 different output and input statements so a user can be prompted to input a number into

each variable.

Write 17 output statements that print out the content of each variable.

Part 2

After you get the above working, add to the program...

Declare a single integer array of 17 variables, and initialize them all to 42 (hint: use for loop).

Next, Use a loop to have the user prompted to enter a value for each variable in the array.

Lastly, Use a loop, with 1 println() statement, to print the 17 values of the integer array.

```java
package Prog1;
import java.util.Scanner;

class prog1 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        int a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q;
        a = input.nextInt();
        b = input.nextInt();
        c = input.nextInt();
        d = input.nextInt();
        e = input.nextInt();
        f = input.nextInt();
        g = input.nextInt();
        h = input.nextInt();
        i = input.nextInt();
        j = input.nextInt();
```

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```java
        k = input.nextInt();
        l = input.nextInt();
        m = input.nextInt();
        n = input.nextInt();
        o = input.nextInt();
        p = input.nextInt();
        q = input.nextInt();

        System.out.println(a);
        System.out.println(b);
        System.out.println(c);
        System.out.println(d);
        System.out.println(e);
        System.out.println(f);
        System.out.println(g);
        System.out.println(h);
        System.out.println(i);
        System.out.println(j);
        System.out.println(k);
        System.out.println(l);
        System.out.println(m);
        System.out.println(n);
        System.out.println(o);
        System.out.println(p);
        System.out.println(q);
        System.out.println(" ");

        int arr[] = new int[17];

        for (int x = 0; x < 17; x++) {
            arr[x] = input.nextInt();
        }
        for (int x = 0; x < 17; x++) {
            System.out.println(arr[x]);
        }
        input.close();
        System.out.println("Philip Pesic 4/9/23");
```

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```
        }
}
```

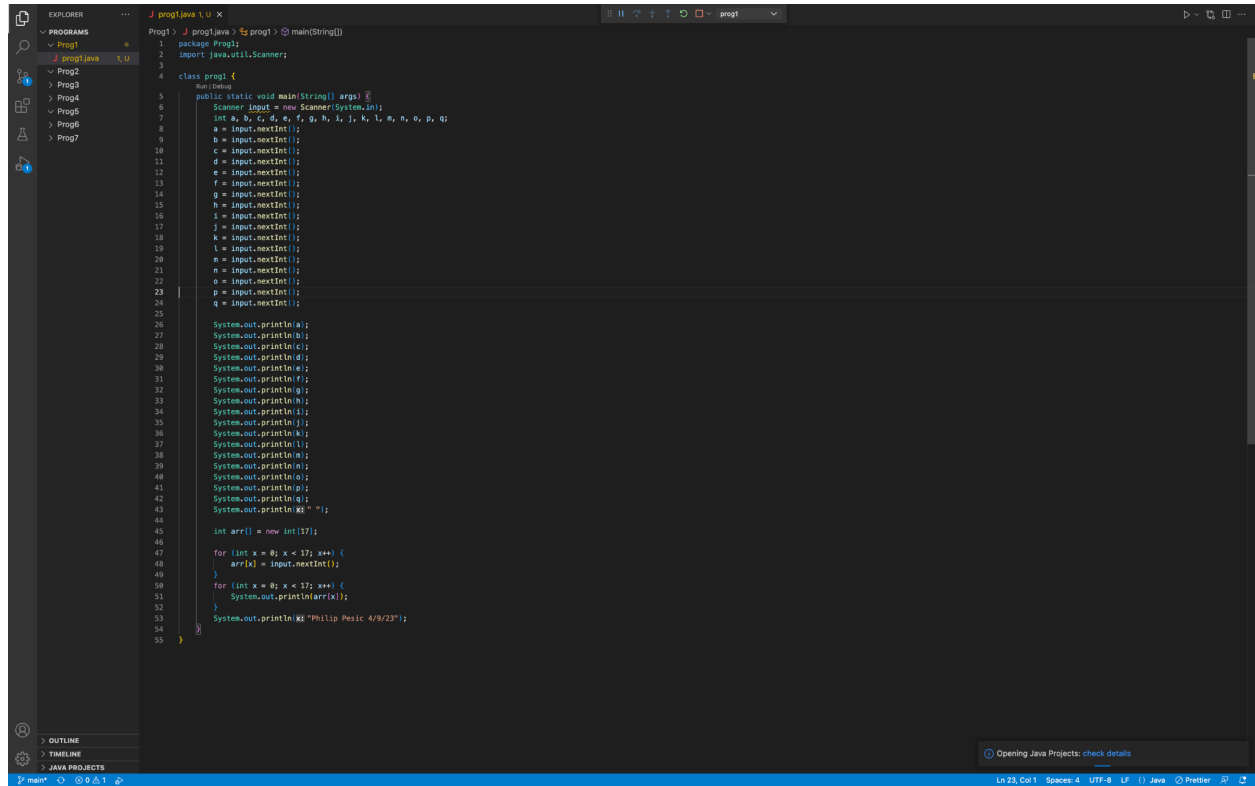Philip Pesic

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I learned how to use arrays to make code more consice