
PAPER COMPILING EXERCISES:

DIRECTIONS:

- 1) Compute by HAND the output of each program. Write the output word-for-word.
- 2) Compare your work with a peer BEFORE typing in the code and verifying
- 3) Compare your work against the key, read the notes, and learn from any mistakes

WhatsMyValue1

```
public class WhatsMyValue1 {  
  
    public static void main(String[] args) {  
        int saturn = 100;  
        int mars = 20;  
        int comet = saturn / mars;  
        mars = comet * 10;  
        saturn = mars % 10;  
        System.out.println("Saturn: " + saturn);  
        System.out.println("Mars: " + mars);  
        System.out.println("Comet: " + comet);  
    } // close main  
} // close class
```

Write your hand-computed output here:

WhatsMyValue2

```
public class WhatsMyValue2 {  
    public static void main(String[] args) {  
        boolean tomato = true;  
        boolean ginger = false;  
        int oregeno = 50;  
        int fenugreek = 2;  
        if(tomato){  
            oregeno = oregeno / fenugreek;  
        } else {  
            oregeno = fenugreek;  
        }  
        if(ginger && tomato){  
            oregeno = oregeno * fenugreek;  
        }  
        ginger = !ginger;  
        System.out.println("Tomato: " + tomato);  
        System.out.println("Ginger: " + ginger);  
        System.out.println("Oregeno: " + oregeno);  
        System.out.println("Fenugreek: " + fenugreek);  
    } // close main  
} // close class
```

Write your hand-computed output here:

```

*****
                WhatsMyValue3
*****
public class WhatsMyValue3 {
    public static void main(String[] args) {
        int turtle = 4;
        int marmot = 2;
        boolean sloth = false;

        while(marmot <= turtle){
            sloth = !sloth;
            marmot = marmot + 1;
        } // end while
        if(sloth){
            marmot = marmot * marmot;
        }
        System.out.println("Turtle: " + turtle);
        System.out.println("Marmot: " + marmot);
        System.out.println("Sloth: " + sloth);
    } // close main
} // close class

```

```

*****
                WhatsMyValue4
*****
public class WhatsMyValue4 {
    public static void main(String[] args) {
        int australia = 10;
        int chile = 5;
        boolean ecuador = false;
        chile = australia + chile;
        System.out.println("Australia before call: " + australia);
        System.out.println("Ecuador before if: " + ecuador);
        if(!ecuador){
            doSimpleMath(australia);
        } // close if
        System.out.println("Chile: " + chile);
        System.out.println("Ecuador after if: " + ecuador);
    } // close main

    public static void doSimpleMath(int numToFlip){
        int result = (numToFlip * -1) + 15;
        System.out.println("Result: " + result);
    } // close doSimpleMath
} // close class

```