

Homework # 2

1. Assume that integer variables x, y, and z contains 1, 2, and 3 respectively. Show lines printed.

(a) if (x == y--) z += 3;

System.out.printf("%d %d %d\n",x,y,z);

(b) z = (int)(x/y*3.0+z*0.12);

System.out.printf("%d %d %d\n",x,y,z);

(c) x += y += z = 1;

System.out.printf("%d %d %d\n",x,y,z);

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2. Show the output of the following loop.

```
for(i=1,j=0;i<=5;++i) {  
    switch(i) {  
        case 1: ++j;  
        case 2: j *=2;  
        case 3: break;  
        case 4: continue;  
        case 5: j--;  
    }  
    System.out.printf("i=%d,j=%d\n",i,j);  
}
```