10.1.4

1.Base

2. 7

10.2.1

1. Yes

2. Yes

3. No

4. Yes

5. No

10.3.1

1. Genericltem

2. ProduceItem

3. super.printItem();

4. GenericItem

10.4.2

1. False

2. True

3. True

4. False

Assessment Question

1. Counter doesn’t have a constructor because the counter class extends to other class.
2. Counter doesn’t have a main because the counter extends to other class and other class have main class.
3. We know ModNCounter inherit from Counter by looking at the “extends Counter”.
4. The constructor inside ModNCounter is increment.
5. Yes because Counter extends to ModNCounter.
6. It will reset the value.
7. It will return to remainder of value and cyclelength.
8. Decrement exist inside Counter because Counter extends to decrement.
9. The increment’s behavior doesn’t change for DecrementableCounter.
10. Tostring is inherited from String[] names.

Test cases for modncounter and modncounter2

-- testing Counter

1

-- testing 7 statements

current value: 0