Philip Pesic

Week 7

October 10 2022

Week 7 Q6
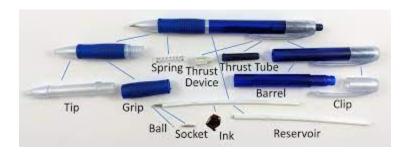

1) What is composition ?

Composition is the combination of several individual elements to create a class/object.

2) What verb mean composition when you use it in speech ?

The verbal tense of composition is compose. To compose means to combine individual elements

to create a larger one,

3) Give 3 examples of composition - Find 'diagrams' that illustrate them

1: A pen, which is composed of many parts

2: A recipe, which is composed of several ingredients

3: An animal, which is composed of several organs and tissues

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4) What are the three steps to a class ?

1: Class definition

2: Class declaration

3: Class call (Dot notation)

5) Can a function call a function.. Give example if 'yes'.

A function can call a function in c++. For example, recursive functions rely on calling other

functions to create a repeating sequence.

6) When you write an OOP program, do you use just one class, or most likely use many classes ?

Explain you answer.

In OOP, a programmer will likely use many classes. OOP means to program through the medium

of an object. Without using many classes and compositions, OOP becomes practically

impossible.