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**Answers:**

1. Watermelon w1; would be a valid line of code, but Apple a1; would not be.

**False**, because both *Watermelon w1;* and *Apple a1;* would be valid line of code.

2. e1.discount(w1); would be a valid line of code.

**True,** because w1 being a watermelon is a public food and *discount* function has a Food as a parameter.

3. e1.discount(f1); would be a valid line of code.

**True,** because f1 is a Food and *discount* function has a Food as a parameter.

4. The function set\_seed() in the Watermelon class is unnecessary since we could just say w1.seedless=true; .

**False,** because *seedless* is set as private and we will need a function *set\_seed()* to work on it or change its content.

5. a1.give\_info(2.99); would be a valid line of code.

**False**, because *give\_info()* has been inherited as protected from public on Apple a1.

6. f1.number=3; would be a valid line of code, but f1.color=”blue”; would not be.

**False**, there is no such function/member named number or color in Food f1. So, both *f1.number =3* and *f1.color = “blue”* would not be valid lines of code.

7. f1.price=2.99; would be a valid line of code, but w1.price=2.99; would not be.

**False**, because *price* is set as protected and we could need a function to access it. So, both lines are wrong.

8. e1.check\_watermelon(w1, f1); would be a valid line of code since Watermelon is a derived class from Food.

**False**, E1 takes class watermelon as both parameters. And, there is no such function as *check\_watermelon* on Employee e1.

9. a1.set\_seed(); would be a valid line of code since Apple and Watermelon are derived from the same base class.

**False**, because there is no such function called set\_seed() on class Apple. Also, there are no inherited classes.

10. Because Grape privately inherits from Food, g1.number=4; would not be a valid line of code.

**False**, because Grape is not inherited from class Food, and Grape g1 has a public member named number. `