Set 08

1 Why would you use Java generics?

   A   To implement a generic constructor in a class

   ✅   To make a class template and allow the user to provide one or more types to customize it

   C   To define a parent class from another another one

   D   To instantiate an object that can act as a "jack of all trades"

2 Correct way to instantiate a generic LinkedList of "doggies"

   A   LinkedList doggies = new LinkedList();

   B   LinkedList doggies = new LinkedList of Dog();

   C   LinkedList<Dog> doggies = new LinkedList();

   ✅   LinkedList<Dog> doggies = new LinkedList<Dog>();

3 Correct way to clone the following Dog object: Dog d1 = new Dog("Sparky");

   A   Dog d2 = new Dog("Sparky");

   B   Dog d2 = d1;

   ✅   Dog d2 = d1.clone();

   D   Dog d2 = d1 * 2;

4 Correct way to compare two Dog objects by their inner properties: Dog d1 = new Dog("Sparky"); Dog d2 = new Dog("Sparky");

   A   d1 = d2

   B   d1 == d2

   C   d1 === d2

   ✅   d1.equals(d2)

5 double a = 0.33; double b = 1/3.; Which tolerance value should you use so a == b?

   ✅   0.01

   B   0.001

   C   0.0001

   D   0.00001