

- 1) Which of the following are correct about implicit or explicit constructor chaining?
  - A. Implicit chaining is when the compiler inserts default constructors.
  - B. Explicit chaining requires the programmer to insert constructors.
  - C. When chaining, the super class constructor must be called first.
  - D. The programmer can explicitly chain default constructors.
  - E. Implicit chaining applies when there is no default constructor.
  
- 2) What will be printed when Dog is instantiated in the following?

```
public class Dog extends Animal {
    public Dog() {
        System.out.println("Dog");
    }
}

public class Animal {
    public Animal(String name) {
        System.out.println("Animal");
    }
}
```

- 3) What will be printed when Dog is instantiated in the following ?

```
public class Dog extends Animal {
    public Dog() {
        super("Alice");
        System.out.println("Dog");
    }
}

public class Animal {
    public Animal(String name) {
        System.out.println("Animal");
    }
}
```

- 4) What will be printed when Dog is instantiated with the no-args constructor in the following?

```
public class Dog extends Animal {  
    public Dog() {  
        this ("Wolf");  
        System.out.println("Dog");  
    }  
    public Dog(String name) {  
        System.out.println (name);  
    }  
}
```

```
public class Animal {  
    public Animal() {  
        System.out.println("Animal");  
    }  
}
```

- 5) What is printed when Dog is instantiated in the following?

```
public class Dog extends Animal {  
    public Dog() {  
        System.out.println("Dog");  
    }  
}
```

```
public class Animal {  
    public Animal(String name) {  
        System.out.println(name);  
    }  
    public Animal() {  
        this("Alice");  
        System.out.println("Animal");  
    }  
}
```