

8) Write the statement that will declare an object called `fido` that has a reference to `Animal` and is an object of `Dog` class. (2 pts)

8) _____

9) `PetDog` is a class that realizes `Canine`. (2 pts)
Write the method code for the heading and one line body of `System.out.println("Nice doggy");`

10) `PetDog` is a class that realizes `Canine` and `Wolf` is a class that realizes `Canine` 10) _____
Given: `Canine lassie = new PetDog();` and `Canine bigBadWolf = new Wolf();`
then `lassie.growl();` and `bigBadWolf.growl();` is an example of

- a) polymorphism
- b) late binding
- c) early binding
- d) casting
- e) a) and b)
- f) a) and c)

11) Can the `Canine` interface be the following? (yes/no) 11) _____

```
public interface Canine
{
    void growl( );
    final int legs = 4;
}
```

12) Can the `Canine` interface be the following? (yes/no) 12) _____

```
public interface Canine
{
    void growl( );
    private int legs = 4;
}
```

13) Can the `Canine` interface be the following? (yes/no) 13) _____

```
public interface Canine
{
    void growl( );
    {
        System.out.println("Nice doggy");
    }
}
```