Exercise – Polymorphism

1. Given the following class declarations:

```
public abstract class Animal{}
public interface Carnivore {}
public class Deer extends Animal{}
public class Bear extends Animal implements Carnivore{}
```

which of the following statements are syntactically legal according to the grammar rules of Java?

    a. `Animal arnie = new Carnivore();`

    b. `Animal bambi = new Deer();`

    c. `Animal bob = new Bear();`

    d. `Deer axl = new Animal();`

    e. `Deer betty = new Bear();`

    f. `Carnivore dax = new Deer();`

    g. `Bear debbie = new Deer();`

    h. `Bear amy = new Animal();`

    i. `Carnivore bennie = new Bear();`