

Exercise 10

Complete the following questions.

1. Which of the following statements defines an interface?
 - a. The way a class completes its tasks within a method.
 - b. The operations and attributes of an object.
 - c. The way other objects interact with an object.
 - d. The declaration of private attributes.
2. State whether the following statements are true or false.
 - a. The private members of an object can be accessed through public methods.
 - b. Constructors cannot be overloaded.
3. The scope of a variable refers to
 - a. The lifetime of the variable.
 - b. Where a variable can be used within a program, also known as, the extent of a variable.
 - c. The way other objects interact with an object.
 - d. Whether the variable is private or public.
4. What is the default constructor for the following class?

```
public class Penny {  
    String name = "lane";  
}
```

 - a. Penny ()
 - b. public Penny ()
 - c. class ()
 - d. String ()