CS 284: Quiz 2 – Fall 2018

September 5, 2018

Student Names:
Honor Pledge:

Each of the following five exercises is worth 2.5 points.

Exercises

Consider the following code. Implementations are not shown to save space.

```
1  public class aClass{
       public AClass(); // constructor
3      public boolean readFile(String s); //method1
       public boolean setValue(int i);    //method2
5  }
   public class AnotherClass extends AClass{
7      public AnotherClass(); // constructor
       public boolean readFile(String s); //method3
9      public boolean setValue(double d); //method4
   }
```

1. Which method is executed if we do the following:

```
   AClass obj = new AnotherClass();
2  obj.setValue(3);
```

2. Which method is executed if we do the following:

```
   AnotherClass obj = new AnotherClass();
2  obj.setValue(3.0);
```

3. Why does Java refuse to accept the following code?

```
   AClass obj = new AnotherClass();
2  obj.setValue(3.0);
```

4. If they exist in the above code, give examples of overloading and overriding.