

Name _____ Period _____

Skill 21.02: Exercise 1

Refer to the code below to answer the following.

```
public class TVShows
{
    public String actor1 = "Don Knots";
    public static String actor2 = "Homer Simpson";
    public static int numShows = 0;
    public static int x = 59;
    public int y = 1059;
    public String showName;

    public TVShows(String nm)
    {
        numShows++;
        showName = nm;
    }
    public static int numberOfShows()
    {
        return numShows;
    }
    public static void setActor1(String act1)
    {
        actor1 = act1;
    }
}
```

(a) Write code that will print the data member actor2. Do this without instantiating any objects.

(b) Write code that will print the data member actor 1.

- (c)
- (i) Create an instance of TvShow called walkingDead (pass in the String “Walking Dead”)
 - (ii) Create an instance of TvShow called gameOfThrones (pass in the String “Game of Thrones”)

(d) Write code that will print the class variable numShows. How many shows will be printed?

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Skill 21.02: Exercise 2

Refer to the code below to answer the following,

```
public class Dweeb{  
    public Dweeb(){  
        //Constructor  
    }  
    public static int x;  
}
```

For each of the following indicate what is printed:

- (a) Dweeb.x = 55;
 System.out.println(Dweeb.x);
- (b) Dweeb twerp1 = new Dweeb();
 System.out.println(Dweeb.x);
- (c) twerp1.x = 99;
 System.out.println(Dweeb.x);
- (d) Dweeb twerp2 = new Dweeb();
 System.out.println(twerp2.x);

Skill 21.03: Exercise 1

```
public class Main  
{  
    public static void main(String[] args)  
    {  
        double yz = methodF();  
    }  
    public static double methodF()  
    {  
        double d = 3.14;  
        return d;  
    }  
    public static double sv = 99;  
    public int i = 7;  
}
```

Consider the following calls in the main method. For each of the following indicate whether the statement is legal or illegal

- (a) double yz = sv;
- (b) int xyz = i
- (c) System.out.println(methodF()/sv);
- (d) System.out.println(yz/i);

Skill 21.03: Exercise 2

There is an error in the code in Exercise 1. Identify the error.