

I. A) Return type function with no arguments (2.3)

- 1) a) Open **GreeterA.java***
- b) Open and Run **AP1ch02lab02TestA**
- c) What is the output: 1c) _____

- 2) a) Change in **Greeter** the statement **String message = "Hello, World!";** to **String message = "Hi, there!";**
- b) Run **AP1ch02lab02TestA**
- c) What is the output: 2c) _____

- 3) a) Change in **Greeter** the line **public String sayHello()** to **private String sayHello()**
- b) Run **AP1ch02lab02TestA**
- c) Write the error message: _____

*Note: Read pages 42-45 to understand how a test program like **AP1ch02lab02TestA** is used.

B) **Void** functions with no arguments

- 1) a) Open **GreeterB.java** and answer: In **GreeterA.java** the **sayHello()** method is a String returning method while in **GreeterB.java** the **sayHello()** method is now what type of method? 1a) _____

- b) Open and Run **AP1ch02lab02TestB**
- c) What is the output: 1c) _____

- 2) a) In **AP1ch02lab02TestB** change the line **worldGreeter.sayHello();** to **System.out.println(worldGreeter.sayHello());** - like it was in **AP1ch02lab02TestA**
- b) Run **AP1ch02lab02TestB**
- c) Write the error message: _____

***Summary:** A test class (file) can not print the results of a called method if the method is a **void** method. If the called method is a return type method such as **public String sayHello()** the test file can output the results of the called method if the call is part of **System.out.println** and is preceded by the object such as **worldGreeter.sayHello()** so that the whole line looks like **System.out.println(worldGreeter.sayHello());**

C) Answer the following based on the code fragment below

```
public double salary( )
{
    double charge = 10.5, change = 1.02, refund = 2.05;
    return change;
}
```

- 1) The value returning method salary is of what data type? 1) _____

- 2) What actual number value is returned to the calling method? 2) _____

Turn in this sheet to be graded!