

STIA1113 Programming I

Exercises 1

1. Using Netbeans that you have installed, type the following Java program and run it.

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("Hello there, how are you!");  
    }  
}
```

2. Modify the above program so that the program can display your full name, street address, City, zip code and state on three separate lines on the screen. Save the file as Address.java.

2. Write, compile, and test a class that displays the following pattern on the screen:

```
  X  
 XXX  
XXXXX  
XXXXXXX  
  X
```

Save the class as Tree.java.

3. Write, compile, and test a class that displays the following pattern on the screen:

```
  *  
 * *  
* * *  
 * *  
  *
```

Save the class as Diamond.java.

4. What is the output of the following Java program:

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println("3.5 * 4 / 2 - 2.5 is ");  
        System.out.println(3.5 * 4 / 2 - 2.5);  
    }  
}
```

5. Can you identify and fix the errors in the following code:

```
public class Welcome {  
    public void Main(String[] arg) {  
        System.out.println('Welcome to Java!');  
    }  
}
```

6. How can you produce the following output using only a single `System.out.println()` statement?

```
Have a  
nice  
day!
```