

CIT/CSE 230
PROGRAMMING PROJECT 1

1. Open the NetBeans IDE and mount the Filesystem Local Directory where you will place the Java files used in this project. (File | Mount Filesystem ... | Local Directory)
2. Create a Java Class named **Test** and enter the attached code.
(File | New | Java Classes | Java Class)
3. Compile the file **Test.java**.
(Build | Compile)
4. Execute **Test** and verify that your results are correct.
5. Add comments containing names of the project team members at the top of the source code.
6. Introduce the following errors, one at a time, to **Test** program. Record any error messages that the compiler produces. Fix the previous error each time before you introduce a new one. If no error messages are produced, think why. Try to predict what will happen before you make each change.
 - a. Change **Test** to **test**
 - b. Change **Programming** to **programming**
 - c. Remove the first quotation mark in the string
 - d. Remove the last quotation mark in the string
 - e. Change **main** to **man**
 - f. Change **println** to **print** in the first println statement
 - g. Remove the semicolon at the end of the first println statement
 - h. Remove the last brace in the program
7. Write a program called **Info** that prints, on separate lines, your name, your birthday, your favorite book, and your favorite movie. Label each piece of information in the output.
8. Write a program called **Diamond** that prints the following diagram shape. Don't print any unneeded characters. (That is, don't make any character string longer than it has to be.)

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

PROJECT 1 DELIVERABLES

Submit a hard copy and an e-copy of the following items to the lab assistant.

- A cover page with the project number, due date, and the names of your Project Team Members.
- A printout of a list of the error messages recorded in 6.
- A printout of the final execution trace of **Test, Info, Diamond** from 6, 7, and 8.
- A printout of the programs from **Test, Info, and Diamond** from 6, 7, and 8.
- This page, with the appropriate signature and date, indicating that the project has been completely and correctly demonstrated in lab.

LABORATORY SIGNATURE

PROJECT TEAM MEMBERS:

STUDENT NAME _____

STUDENT NAME _____

STUDENT NAME _____

LAB INSTRUCTOR SIGNATURE

DATE

```
public class Test
{
    public static void main (String[] args)
    {
        System.out.println ("Java");
        System.out.println ("Programming Language");
    }
}
```