

1. Write a driver class called "Tester" that prints "Hello Timberline" to the console.

```
public class Tester{  
  
    public static void main(String args[]){  
  
        System.out.println("Hello Timberline");  
  
    }  
  
}
```

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2. A student needs to document their name and the date in the program above using remarks (comments). Write two different sets of code that could be used to identify you as the author and date.

```
//Pluska  
//August 20  
  
/*  
  
Pluska  
August 20  
*/
```

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3. Indicate what is printed when the following code is executed

```
System.out.print("Hello");  
System.out.print(" ");  
System.out.print("Timberline!");  
System.out.println();  
System.out.println("JAVA");  
System.out.println("is");  
System.out.print("awesome!");
```

```
Hello Timberline!  
JAVA  
is  
a1awesome!
```

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4. A student writes a driver class called Tester.java.	
(a) Write the command required to compile this class	
javac Tester.java	
(b) Write the command required to run this class	
java Tester	
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5. Write a driver class called "VariableTypes". In the the driver class,	
<p>Write a single line of code that will create a double precision variable called "p" and store 1.921×10^{-15} in it. (Note 1.921×10^{-15} can also be written as 1.921E-15)</p> <p>Write a single line of code that will create an integer variable called i and store 407 in it.</p> <p>Write a single line of code that will create a String variable called myName and store your name in it.</p>	
<pre>public class VariableTypes{ public static void main(String args[]){ double p = 1.921E-15; int i = 407; String myName = "Pluska"; } }</pre>	
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6. For each statement, identify whether it is legal or illegal. If it is illegal, indicate why.

	legal/illegal	Explanation
int i = 5; double d = i;	Legal	A double is more precise than an int so an int can be assigned to a double
double p = 3.14; int r = p;	Illegal	A double cannot be assigned to an int, because precision is lost
double age = 16; int g = (int) age;	Legal	(int) forces age to an int type variable. This is also called casting
int lightSpeed = 3.0E8;	Illegal	Decimal numbers cannot be assigned to int variables. Only whole numbers can be assigned to int type variables.
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