## Java Homeworke

## Due:

Description: Investment calculator
Your task is to write a java program that produces information about a financial investment.

## Inputs to the program

The interest rate (expressed as a percentage), the initial principal(in \$) and the number of years.

## Outputs of the program

A table whose outputs include; the year number, the principal at the beginning of the year, the interest earned, the principal at the end of the year.

## Data Validation

0 <= interest rate <= 200, 0 <= initial investment <= 10,000, 0 < number of years $<=40$

## PROVIDE AN ERROR MESSAGE IF THE ANY OF THE INPUTS IS OUT OF RANGE!!!

See below for example or run example from mr Hanley's web site
Please enter the starting investment:(0-10000) Please enter value:->

100

Please enter the rate (0-200)\% Please enter value:->

Please enter the number of years
Please enter value:->

NOTE: I round off all values to nearest dollar after each calculation
NOTE: How do I make the columns line up?
As long as they don't differ by too much, use a $\backslash t$ between each column System.out.printIn("Year\tStart\tEarned\tEnd");
And later on...
System.out.println(i+"\t"+start+...);

If the numbers differ a lot, see System.out.format for EXACT field widths for variables, not necessary in this course, we do use this in AP Computer Science)


1. Make sure your file header is present at the top of NB

2. Get rid of extra "bling bling" that takes up a lot of space(we're trying to reduce the number of pages printed and save the polar bears, ya know??)
3. Edit the Header TO MAKE SURE IT HAS LOOP INVESTMENT HW AND YOUR PERIOD AND SAUCE CODE
```
* S-h-e-n-e-n-d-e-h-o-w-a--H-i-g-h--S-c-h-o-o-l--T-e-c-h-n-o-l-o-g-y--D-e-p-t
* -----------------------------------------------------------------------------------
    * FILE: LoopHW.java
    * DATE: Nov 3, 2017
    * PURPOSE: Investment problem loop homework
    * PERIOD: 2 SAUCE CODE: }1
    * @author mr Hanley
    * @version 1.0
    * h-a-n-l-e-y.c-o-.-n-r------t-e-a-m-2-0-.-c-o-m-----------------------------------
```

4. Choose File Print and then Click on the Page Setup Button

5. Set all Margins to . 25

6. Choose OK

## 7. Choose Print Options



## 8. Uncheck page border, header and footer



## 9. Check Wrap Lines


10. Now for the Font, click on the font selector

11. Choose Consolas 10


Preview
The quick brown fox jumps over the lazy dog
12. Choose OK and Look at the Preview

If it looks like it is fitting well into minimal pages, you can proceed If not, we can do some tweaking to get it to fit
In the example below, I am going to kill extra trees which is bad for our $\$$ and our environment!!!!!! Yucky!

13. We can delete some lines but I will show you another trick!! From the Print Options dialog, change the Line Spacing to . 9 and see what happens with the preview


Wallah, mine fits on one page, if not, keep decreasing line spacing as LONG AS CODE is readable!!!!!

14. Choose the Print Button

If you are in room 129, simply print one sided as that printer won't print back to back
If you are in room 134, Print Duplex as Follows;
15. Clink on the Properties Button

16. Choose Duplex, Flip on long edge

17. This will come out 2 sided, put in paper holder in appropriate slot according to sauce code

