Homework

Screen Output - printf

1. `OutputPrintf1.java:` Write a program that uses `printf` (to format the names and the balances) to output the following:

```
Juanita's bank account balance is $2,345,678.99.
   Juan's bank account balance is $   15,455.26.
```

2. `OutputPrintf2.java:` Write the program that uses `printf` to produce the following table. Minimize the number of characters in string literals (in quotes) by using equations to calculate the squares.

```
Number          Square
1.10            1.21000
1.11            1.23210
1.12            1.25440
1.13            1.27690
1.14            1.29960
1.15            1.32250
```

3. List the output of the following code. Use ^ to represent a single space

a) **System.out.printf("%d%n", 500000);**
   500000
b) **System.out.printf("%+d%n", 500000);**
   +500000
c) **System.out.printf("%+,d%n", 500000);**
   +500,000
d) **System.out.printf("%+,10d%n", 500000);**
   ^^+500,000
e) **System.out.printf("%+,010d%n", 500000);**
   +00500,000
f) **System.out.printf("%-+,10d%n", 500000);**
   +500,000
g) **System.out.printf("I love %-5s%5s%n", "ics", "3u1");**
   I^love^ics^^^^3u1
h) **System.out.printf("I love %5S%-5S%n", "ics", "3u1");**
   I^love^^^ICS3U1
i) **System.out.printf("The average of this class is %6.2f%n", 67.8);**
   The^average^of^this^class^is^^67.80
j) **System.out.printf("The subtotal is %-5.2f and the total price is %5.2f%n", 2.30, 3.99);**
   The^subtotal^is^2.30^^and^the^total^price^is^^3.99