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