Assignment name: Digits Mastery Project.
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# Reflection Log

How has your program changed from planning to coding to now? Please explain?

Planning: Going into this project I was planning on recycling my Digits skill builders project and adding a single line of code that would return the hundred place.: int hundreds = digitnumber / 100;

```
System.out.print("Enter a three di
int digitnumber = Userinput.nextIr

int hundreds = digitnumber / 100;
int tens = digitnumber / 10;
int ones = digitnumber % 10;
```

Coding: After adding this and running it, it would return the number in the tens place as a two digit number.

```
In the hundreds place of the number 456 is: 4
In the tens place of the number 456 is: 45
In the ones place of the number 456 is: 6
```

Now: My final code consists of 3 new lines of code.
1. Defining whats in the hundreds place
2. Telling the computer to subtract whats in the hundreds place
3. Recycle old code and output will be correct.

```
int digitnumber = Userinput.nextInt();

int HundredsDefiner = (digitnumber / 100 * 100); // Tell the computer what's in the hundreds place
int DoubleDigit = digitnumber - HundredsDefiner; // Remove the hundreds place
int hundreds = digitnumber / 100;
int tens = DoubleDigit / 10;
int ones = DoubleDigit % 10;
System.out.println("In the hundreds place of the number " + digitnumber + " is: " + hundreds);
System.out.println("In the tens place of the number " + digitnumber + " is: " + tens);
System.out.println("In the ones place of the number " + digitnumber + " is: " + ones);
```