

```

package Mastery;

import java.util.Scanner;

public class DigitsMastery {

    public static void main(String[] args) {

        Scanner userInput = new Scanner(System.in);

        System.out.print("Enter a 3 digit number: ");
        int number = userInput.nextInt();

        int hundreds = number / 100;

        int tens = number / 10;

        int ones = number % 10;

        System.out.print("Hundreds: " + hundreds);
        System.out.print("Tens: " + tens);
        System.out.print("Ones: " + ones);

    }
}

```

```

Enter a 3 digit number: 152
Hundreds: 1Tens: 15Ones: 2

```

#### Reflection:

During my original code I outputted all the digits on a singular line. This resulted in poor readability and a confusing output.

In my second revision of my code, alongside bug fixing I made sure to output each digit on a new line with the println function.

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        System.out.print("Enter a 3 digit number: ");
        int number = userInput.nextInt();

        int hundreds = number / 100;

        int tens = number / 10 % 10;

        int ones = number % 10;

        System.out.println("Hundreds: " + hundreds);
        System.out.println("Tens: " + tens);
        System.out.print("Ones: " + ones);

    }
}
```

```
Enter a 3 digit number: 152
Hundreds: 1
Tens: 5
Ones: 2
```