ErrorLogs - DigitExtractor[Mastery]

NO ERRORS

```java
package Mastery;

public class Digit {

    private int number;

    public Digit(int digit){ //digit object
        number = digit;

    }

    public int Whole() { //constructor method to display whole number
        return number;
    }

    public int Hundreds() { //constructor method for hundreds place calculation
        return (number / 100) %10;
    }

    public int tens() { // constructor method for tens place calculation
        return (number / 10)%10;
    }

    public int ones() { // constructor method for ones place calculation
        return number % 10;
    }
```

```java
package Mastery;

import java.util.Scanner;

public class DigitExtractor {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);
        // import for user input



        String choice; //declare choice variable

        System.out.print("Enter an integer: "); //prompt user for integer
        Digit digit = new Digit(input.nextInt()); //variable name linking to other class


        while (true) //while statement so it loops
        {

        System.out.println("Show (W)hole number.");
        System.out.println("Show (O)nes place number.");
        System.out.println("Show (T)ens place number.");
        System.out.println("Show (H)undreds place number.");
        System.out.println("(Q)uit"); //user options



        System.out.println(" "); //space for cleaner code
        System.out.println("Enter your choice"); //prompt user for choice

        choice = input.next();
        choice = choice.toLowerCase(); //Make users inputed option in lowercase to avoid e
```

```
System.out.println(" "); //space for cleaner code
System.out.println("Enter your choice"); //prompt user

choice = input.next();
choice = choice.toLowerCase(); //Make users inputed op


    if (choice.equals("w")) //if choice is " "
    {
        System.out.println(digit.Whole());
    }
    if (choice.equals("h")) //if choice is " "
    {
        System.out.println(digit.Hundreds());
    }
    if (choice.equals("t")) //if choice is " "
    {
        System.out.println(digit.tens());
    }
    if (choice.equals("o")) //if choice is " "
    {
        System.out.println(digit.ones());
    }

    if (choice.equals("q")) //if choice is " "
    {
        break;
    }
}
```