

Bug Logs

Credit name: Chapter 7

Assignment Name: Mastery - DigitExtractor

```
if (userChoice.toUpperCase() == "W") {  
    System.out.println("The whole number is: ");  
}  
else if (userChoice.toUpperCase() == "O") {  
    System.out.println("The ones is: ");  
}  
else if (userChoice.toUpperCase() == "T") {  
    System.out.println("The tens is: ");  
}  
else if (userChoice.toUpperCase() == "H") {  
    System.out.println("The hundreds is: ");  
}  
else if (userChoice.toUpperCase() == "Q") {  
    System.out.println("Quit");  
}
```

Syntax error: when I test the if and else if statement for the user's choosing option part. Instead of printing out the value as the user chose, the program didn't print anything out at all.

```
String whole = "Ww";  
String one = "Oo";  
String ten = "Tt";  
String hundred = "Hh";  
String quit = "Qq";  
  
if (whole.contains(userChoice)) {  
    System.out.println("This is a whole number: "+NUM.getNumber());  
}  
else if (one.contains(userChoice)) {  
    System.out.println("Ones place value in the number is: "+NUM.getOnes());  
}  
else if (ten.contains(userChoice)) {  
    System.out.println("Tens place value in the number is: "+NUM.getTens());  
}  
else if (hundred.contains(userChoice)) {  
    System.out.println("Hundreds place value in the number is: "+NUM.getHundreds());  
}  
else if (quit.contains(userChoice)) {  
    System.out.println("End of program");  
}
```

In order to fix it, I use the contains() method by creating the variables for every possible situation and use the contains() method to see what option the user chooses