

5. (100 points) The following method is supposed to take in a passed integer, and return the literal char for that integer. But, it doesn't do that. Explain why, and fix the code so it works appropriately.

```

1 public class Week6Exercise5 {
2     public static void main(String[] args){
3         Week6Exercise5 tester = new Week6Exercise5();
4         System.out.println("The character represented by integer 65 in
           ↳ ASCII is: " + tester.toASCII(65));
5     }
6     /**
7      * Takes an integer and converts the integer to its character in
8      * ↳ the ASCII character chart
9      *
10     * @param c : the integer to convert
11     * @return : the character represented by that integer in ASCII
12     */
13     public char toASCII(int c){
14         return c;
15     }
16 }

```

The code never casts to char

```

public class Week6Exercise5 {
    public static void main (String[] args) {
        Week6Exercise5 tester = new Week6Exercise5();
        System.out.println("the character represented by integer 65 in
        ↳ ASCII is: " + tester.toASCII(65));
    }

    public char toASCII(int c) {
        return (char)c;
    }
}

```

