

CMSC131, Spring 2024, QUIZ #1 (DURATION: 25 MINUTES) – 30 pts

FIRSTNAME, LASTNAME (PRINT IN UPPERCASE):

STUDENT ID (e.g. 123456789):

INSTRUCTIONS:

1. Other than **int** or **byte**, name one of the other 2 primitive types used to store an integer _____
2. What is 60 in hexadecimal? _____
3. What is the byte value of 60 in binary ? _____

Scrap space to do the math for problem 2 and 3, clearly put your final answer on the line next to the question.

4. Write a program that will prompt for the 2 words. If the second word has a length that is exactly twice that of the first word, print out 2 lines. The first line should be the first word, concatenated with an *, concatenated with the uppercase version of the second word. The second line should be the uppercase version of the first word, concatenated with an *, concatenated with the the second word. Otherwise, simply display **fear the turtle**. Look at the sample runs for example. Notice that the prompts and input are on the same line. As for library methods, you may only use: `print`, `println`, `next` and `close` from the `Scanner` class, and `length` and `toUpperCase` from the `String` class. Assume user will give you one lowercase word for each prompt.

Here are 3 different sample runs (with user input in italic and output in bold just to make it easier to understand how it works).

Enter word 1: <i>hi</i> Enter word 2: <i>java</i> hi*JAVA HI*java	Enter word 1: <i>java</i> Enter word 2: <i>hi</i> fear the turtle	Enter word 1: <i>cat</i> Enter word 2: <i>mouse</i> fear the turtle
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```
import java.util.Scanner;

public class Quiz1 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        //Write code on the back
    }
}
```

