FIRSTNAME, LASTNAME (PRINT IN UPPERCASE):

<div style="border:1px solid">**KEY**</div>

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   **short or long**

2. What is 60 in hexadecimal? **3C**

3. What is the byte value of 60 in binary ? **00111100**

Scarp 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: *hi* **Enter word 2:** *java* **hi*JAVA** **HI*java**	**Enter word 1:** *java* **Enter word 2:** *hi* **fear the turtle**	**Enter word 1:** *cat* **Enter word 2:** *mouse* **fear the turtle**

```java
import java.util.Scanner;

public class Quiz1 {

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

        //Write code on the back
```

```java
        String word1, word2;

        System.out.print("Enter word 1: ");
        word1 = input.next();
        System.out.print("Enter word 2: ");
        word2 = input.next();

        if(word1.length()*2 == word2.length())
        {
                System.out.println(word1+"*"+word2.toUpperCase());
                System.out.println(word1.toUpperCase()+"*"+word2);
        }
        else {
                System.out.println("fear the turtle");
        }

        input.close();


    }

}
```