

```

import java.util.Random;
import java.util.Scanner;

public class Hangman {
    private static final String[][] words = {
        {"terminator", "cyborg", "A futuristic cyborg assassin from a popular movie series."},
        {"banana", "fruit", "A yellow fruit that monkeys love."},
        {"computer", "device", "An electronic device used for processing data."},
        {"cow", "animal", "A farm animal that gives milk."},
        {"rain", "weather", "Water droplets that fall from clouds."},
        {"water", "liquid", "A clear liquid essential for life."}
    };

    private static String word;
    private static String freeHint;
    private static String fullHint;
    private static String asterisk;
    private static int incorrectGuesses;
    private static int correctGuesses;
    private static boolean extraHintUsed;

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        boolean playAgain = true;

        while (playAgain) {
            resetGame();
            while (incorrectGuesses < 7 && asterisk.contains("_")) {
                System.out.println("\nGuess any letter in the word, type 'stats' to view progress, or 'hint' for the full definition:");
                System.out.println(asterisk);
                String guess = sc.next().toLowerCase();

                if (guess.equals("stats")) {
                    showStats();
                } else if (guess.equals("hint")) {
                    useHint();
                } else if (guess.length() != 1 || !Character.isLetter(guess.charAt(0))) {
                    System.out.println("Invalid input! Please enter a single letter.");
                } else {
                    hang(guess);
                }
            }
        }
    }
}

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        // Ask if the player wants to play again
        System.out.print("\nDo you want to play again? (yes/no): ");
        String response = sc.next().toLowerCase();
        playAgain = response.equals("yes");
    }
    sc.close();
    System.out.println("Thanks for playing!");
}

public static void resetGame() {
    Random random = new Random();
    int index = random.nextInt(words.length);
    word = words[index][0];
    freeHint = words[index][1];
    fullHint = words[index][2];
    asterisk = new String(new char[word.length()]).replace("\0", "_");
    incorrectGuesses = 0;
    correctGuesses = 0;
    extraHintUsed = false;

    System.out.println("\nNew game started! Try to guess the word.");
    System.out.println("Here's a free hint: " + freeHint); // One-word free hint
}

public static void hang(String guess) {
    String newAsterisk = "";
    boolean correct = false;

    for (int i = 0; i < word.length(); i++) {
        if (word.charAt(i) == guess.charAt(0)) {
            newAsterisk += guess.charAt(0);
            correct = true;
        } else if (asterisk.charAt(i) != '_') {
            newAsterisk += word.charAt(i);
        } else {
            newAsterisk += "_ ";
        }
    }
}

if (asterisk.equals(newAsterisk)) {
    incorrectGuesses++;
    System.out.println("Incorrect guess!");
    hangmanImage();
} else {

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        correctGuesses++;
        asterisk = newAsterisk;
    }

    if (asterisk.equals(word)) {
        System.out.println("Correct! You win! The word was " + word);
        showStats();
    } else if (incorrectGuesses == 7) {
        System.out.println("GAME OVER! The word was " + word);
        showStats();
    }
}

public static void useHint() {
    if (extraHintUsed) {
        System.out.println("You've already used your extra hint!");
        return;
    }

    System.out.println("Hint: " + fullHint);
    extraHintUsed = true;
}

public static void showStats() {
    System.out.println("\n=====");
    System.out.printf("| %-15s | %-10s |\n", "Category", "Count");
    System.out.println("-----");
    System.out.printf("| %-15s | %-10d |\n", "Correct Guesses", correctGuesses);
    System.out.printf("| %-15s | %-10d |\n", "Incorrect Guesses", incorrectGuesses);
    System.out.printf("| %-15s | %-10s |\n", "Extra Hint Used", extraHintUsed ? "Yes" : "No");
    System.out.println("=====");
}

public static void hangmanImage() {
    switch (incorrectGuesses) {
        case 1:
            System.out.println("Wrong guess, try again\n\n\n");
            System.out.println(" _|_");
            break;
        case 2:
            System.out.println("Wrong guess, try again\n |");
            System.out.println(" |");
            System.out.println(" |");
            System.out.println(" |");
    }
}

```

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System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println("___|___");
break;
```

case 3:

```
System.out.println("Wrong guess, try again\n _____");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println("___|___");
break;
```

case 4:

```
System.out.println("Wrong guess, try again\n _____");
System.out.println(" | |");
System.out.println(" | / \");
System.out.println(" | | |");
System.out.println(" | \_ /");
System.out.println(" |");
System.out.println(" |");
System.out.println(" |");
System.out.println("___|___");
break;
```

case 5:

```
System.out.println("Wrong guess, try again\n _____");
System.out.println(" | |");
System.out.println(" | / \");
System.out.println(" | | |");
System.out.println(" | \_ /");
System.out.println(" | |");
System.out.println(" | |");
System.out.println(" |");
System.out.println("___|___");
break;
```

case 6:

```
System.out.println("Wrong guess, try again\n _____");
System.out.println(" | |");
System.out.println(" | / \");
System.out.println(" | | |");
System.out.println(" | \_ /");
```

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        System.out.println(" |");
        System.out.println(" |");
        System.out.println(" | / \");
        System.out.println("____|__ / \");
        break;
    case 7:
        System.out.println("GAME OVER!");
        System.out.println("_____");
        System.out.println(" |");
        System.out.println(" | / \");
        System.out.println(" | |");
        System.out.println(" | \_ /");
        System.out.println(" |_");
        System.out.println(" | / | \");
        System.out.println(" | / \");
        System.out.println("____|__ / \");
        break;
    }
}
}

```