Tasks

Your goal is to create a program similar to JavaLibs. Write a story where certain parts of the resulting story text are modified by the user's input. Prompt the user for various inputs.

You may accept user any number of ways, including a JOptionPane, or Scanner input from the console. However, choose only one method. Don't use multiple methods of accepting input. Similarly, if you use JOptionPane to get input, use JOptionPane to show the resulting story.

When you output your story, make sure your all your text is visible at the same time. It's not ok for text to be too long for your computer screen or output window. Your story will need to be spread across several lines instead of being printed in one giant line of output. This helps keep your output clean and your program more user friendly.

It's ok for your program to crash if the user inputs inappropriate data. In other words, It's ok if your program crashes because you've expected the user to input a number, when they've instead input a String. We'll cover exception handling later in the course.

Your program must also do the following:

• Accept at least 1 input, to be parsed as a String • Accept at least 1 input, to be parsed as an int • Accept at least 1 input, to be parsed as a double

• Use at least 1 input in a question for the user

• Do math with at least 1 int input

• Do math with at least 1 double input

• Accept at least 10 total inputs

It's ok for this problem set to write your entire program within the main method.

The JavaLibsPractice.java file is available to help you get started.

PROGRAM :-

```java
//N.V.Sandeep kumar
import java.util.Scanner;
public class MadLibs {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        // Prompt user for inputs
        System.out.print("Enter a name: ");
        String name = scanner.nextLine();
        System.out.print("Enter an age: ");
        int age = scanner.nextInt();
        scanner.nextLine(); // Consume the newline left by nextInt()
        System.out.print("Enter a city: ");
        String city = scanner.nextLine();
        System.out.print("Enter an animal: ");
        String animal = scanner.nextLine();
        System.out.print("Enter a verb (present tense): ");
        String verb = scanner.nextLine();
        System.out.print("Enter a number: ");
        int number = scanner.nextInt();
        System.out.print("Enter a temperature: ");
        double temperature = scanner.nextDouble();
        scanner.nextLine(); // Consume the newline left by nextDouble
            ()
        System.out.print("Enter an adjective: ");
        String adjective = scanner.nextLine();
        System.out.print("Enter a type of food: ");
        String food = scanner.nextLine();
        System.out.print("Enter a color: ");
        String color = scanner.nextLine();
```

```
        // Perform calculations (just for example)
        int nextAge = age + 1;
        double halfTemperature = temperature / 2.0;
        // Generate the story with user inputs
        System.out.println("\nStory:");
        System.out.println("Once upon a time, there was a person named
            " + name + ".");
        System.out.println(name + " lived in " + city + " and was " +
            age + " years old.");
        System.out.println("One day, " + name + " found a " + animal +
            " in the backyard.");
        System.out.println("It was " + color + " and " + adjective + "
            , and it liked to " + verb + " all day long.");
        System.out.println("In one year, " + name + " would be " +
            nextAge + " years old.");
        System.out.println("The temperature outside was " +
            temperature + " degrees Celsius, which felt like " +
            halfTemperature + " degrees Fahrenheit.");
        System.out.println("While walking in the park, " + name + "
            decided to have " + number + " " + food + "s for lunch.");
        System.out.println("And they lived happily ever after.");
        // Close the scanner
        scanner.close();
    }
}
```

OUTPUT :-

```
java -cp /tmp/knD4R3THk0/MadLibs
Enter a name: Sandeep
Enter an age: 19
Enter a city: Chennai
Enter an animal: Elephant
Enter a verb (present tense): Eating
Enter a number: 243
Enter a temperature: 25
Enter an adjective: Good
Enter a type of food: Sugarcane
Enter a color: Black

Story:
Once upon a time, there was a person named Sandeep.
Sandeep lived in Chennai and was 19 years old.
One day, Sandeep found a Elephant in the backyard.
It was Black and Good, and it liked to Eating all day long.
In one year, Sandeep would be 20 years old.
The temperature outside was 25.0 degrees Celsius, which felt like 12.5 degrees
    Fahrenheit.
While walking in the park, Sandeep decided to have 243 Sugarcanes for lunch.
And they lived happily ever after.

=== Code Execution Successful ===
```