PROJECT -3

1)JAVA LIBS PRACTICE:

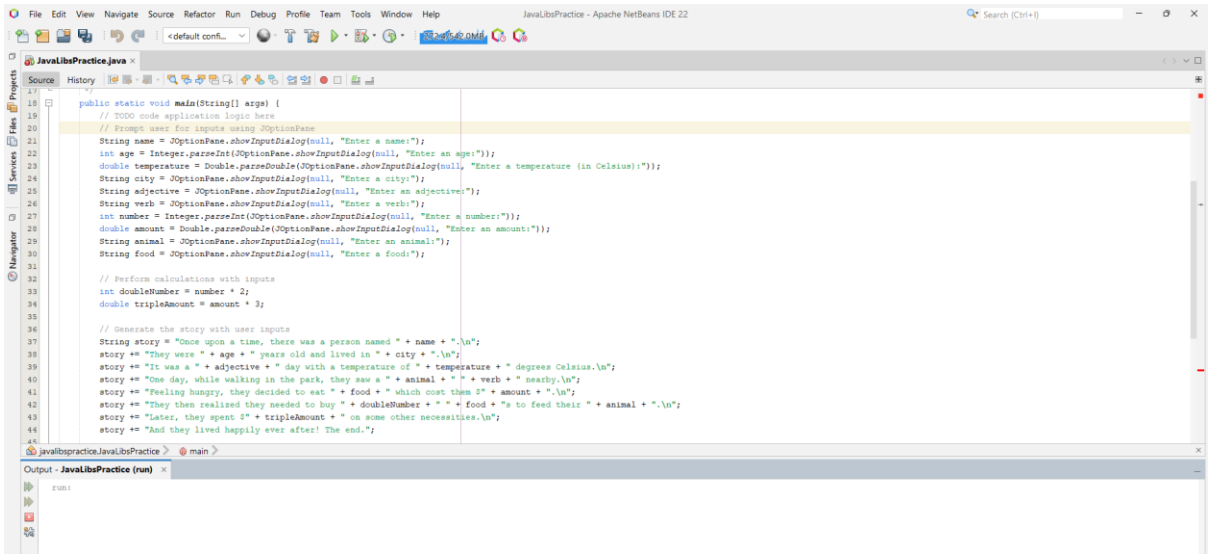
You may accept user any number of ways, including a JOptionPane, or Scanner input from the console. However, choose only one method. Don't use multiple methods of accepting input. Similarly, if you use JOptionPane to get input, use JOptionPane to show the resulting story.
When you output your story,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

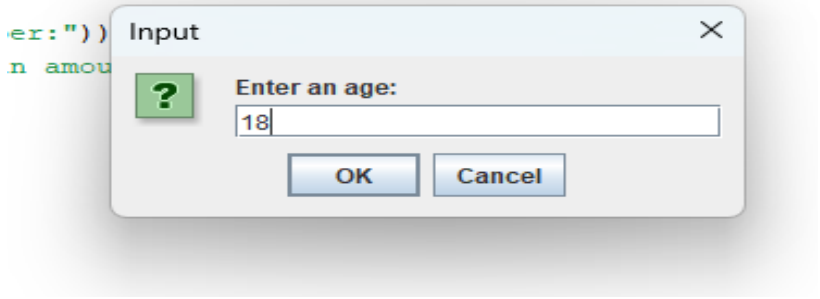
CODE:

```
import javax.swing.JOptionPane;
public class JavaLibsPractice {

    public static void main(String[] args) {
        // Prompt user for inputs using JOptionPane
        String name = JOptionPane.showInputDialog(null, "Enter a name:");
        int age = Integer.parseInt(JOptionPane.showInputDialog(null, "Enter an age:"));
        double temperature = Double.parseDouble(JOptionPane.showInputDialog(null, "Enter a
temperature (in Celsius):"));
        String city = JOptionPane.showInputDialog(null, "Enter a city:");
        String adjective = JOptionPane.showInputDialog(null, "Enter an adjective:");
        String verb = JOptionPane.showInputDialog(null, "Enter a verb:");
        int number = Integer.parseInt(JOptionPane.showInputDialog(null, "Enter a number:"));
        double amount = Double.parseDouble(JOptionPane.showInputDialog(null, "Enter an amount:"));
        String animal = JOptionPane.showInputDialog(null, "Enter an animal:");
        String food = JOptionPane.showInputDialog(null, "Enter a food:");

        // Perform calculations with inputs
        int doubleNumber = number * 2;
        double tripleAmount = amount * 3;

        // Generate the story with user inputs
        String story = "Once upon a time, there was a person named " + name + ".\n";
```

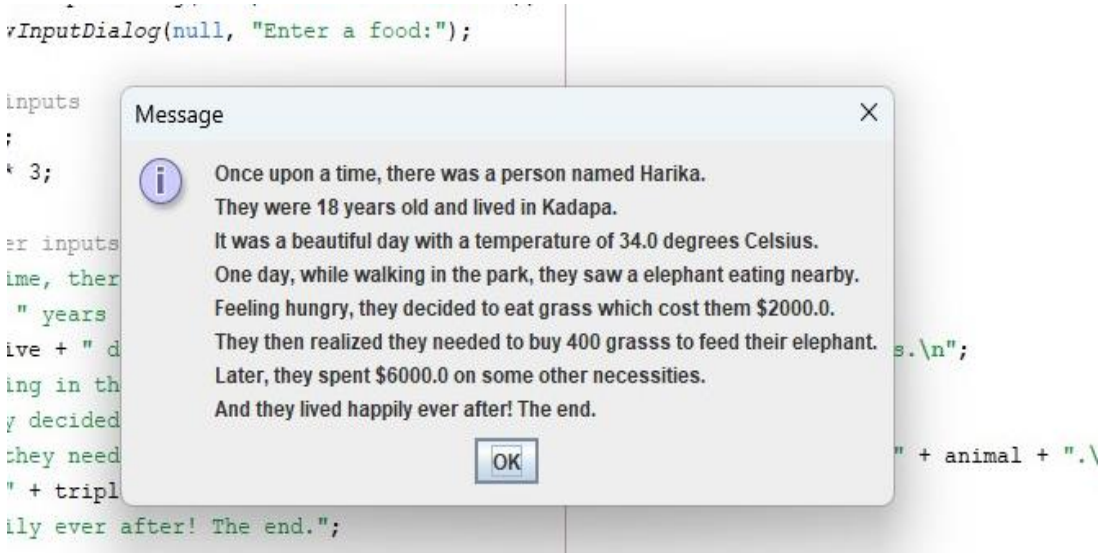
```
        story += "They were " + age + " years old and lived in " + city + ".\n";
        story += "It was a " + adjective + " day with a temperature of " + temperature + " degrees
Celsius.\n";
        story += "One day, while walking in the park, they saw a " + animal + " " + verb + " nearby.\n";
        story += "Feeling hungry, they decided to eat " + food + " which cost them $" + amount + ".\n";
        story += "They then realized they needed to buy " + doubleNumber + " " + food + "s to feed their
" + animal + ".\n";
        story += "Later, they spent $" + tripleAmount + " on some other necessities.\n";
        story += "And they lived happily ever after! The end.";

        // Display the story using JOptionPane
        JOptionPane.showMessageDialog(null, story);
    }
}
```



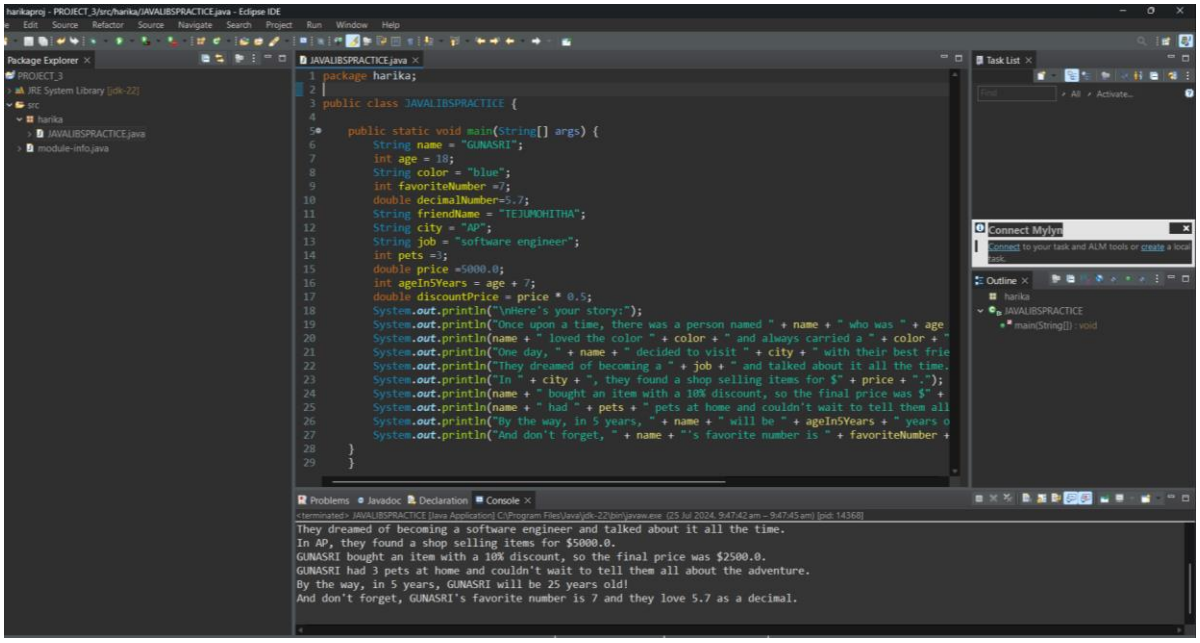
USER INPUT:


Input
Enter an age:
18
OK
Cancel

OUTPUT:


Message
Once upon a time, there was a person named Harika.
They were 18 years old and lived in Kadapa.
It was a beautiful day with a temperature of 34.0 degrees Celsius.
One day, while walking in the park, they saw a elephant eating nearby.
Feeling hungry, they decided to eat grass which cost them $2000.0.
They then realized they needed to buy 400 grasss to feed their elephant.
Later, they spent $6000.0 on some other necessities.
And they lived happily ever after! The end.
OK

ECLLIPSE :


harikaproj - PROJECT_3/src/harika/JAVALIBSPRACTICE.java - Eclipse IDE
Package Explorer
PROJECT_3
JRE System Library [jdk-22]
src
harika
JAVALIBSPRACTICE.java
module-info.java
JAVALIBSPRACTICE.java
1 package harika;
2
3 public class JAVALIBSPRACTICE {
4
5 public static void main(String[] args) {
6 String name = "GUNASRI";
7 int age = 18;
8 String color = "blue";
9 int favoriteNumber =7;
10 double decimalNumber=5.7;
11 String friendName = "TEJUMOHITHA";
12 String city = "AP";
13 String job = "software engineer";
14 int pets =3;
15 double price =5000.0;
16 int ageIn5Years = age + 7;
17 double discountPrice = price * 0.5;
18 System.out.println("\nHere's your story:");
19 System.out.println("Once upon a time, there was a person named " + name + " who was " + age
20 System.out.println(name + " loved the color " + color + " and always carried a " + color + "
21 System.out.println("One day, " + name + " decided to visit " + city + " with their best frie
22 System.out.println("They dreamed of becoming a " + job + " and talked about it all the time.
23 System.out.println("In " + city + ", they found a shop selling items for $" + price + ".");
24 System.out.println(name + " bought an item with a 10% discount, so the final price was $" +
25 System.out.println(name + " had " + pets + " pets at home and couldn't wait to tell them all
26 System.out.println("By the way, in 5 years, " + name + " will be " + ageIn5Years + " years o
27 System.out.println("And don't forget, " + name + "'s favorite number is " + favoriteNumber +
28 }
29 }
Task List
Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
harika
JAVALIBSPRACTICE
main(String[]) : void
Problems
Javadoc
Declaration
Console
<terminated> JAVALIBSPRACTICE [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (25 Jul 2024, 9:47:42 am – 9:47:45 am) [pid: 14368]
They dreamed of becoming a software engineer and talked about it all the time.
In AP, they found a shop selling items for $5000.0.
GUNASRI bought an item with a 10% discount, so the final price was $2500.0.
GUNASRI had 3 pets at home and couldn't wait to tell them all about the adventure.
By the way, in 5 years, GUNASRI will be 25 years old!
And don't forget, GUNASRI's favorite number is 7 and they love 5.7 as a decimal.