**Practice 6**

1. **Sum series** Write a method to compute the following sum:

$$m(i) = \frac{1}{3} + \frac{2}{4} + \cdots + \frac{i}{i+2}$$

   Write a test program that displays the following table:

```
i     m(i)
-------------
1     0.3333
2     0.8333
…
19    14.7093
20    15.6184
```

2. **Converting milliseconds** Write a method that converts milliseconds to hours, minutes, and seconds using the following header:

```
public static String convertMillis(long millis)
```

   The method returns a string as hours:minutes:seconds. For example, `convertMilis(5500)` returns a string `0:0:5`, `convertMilis(100000)` returns a string `0:1:40`, and `convertMillis(555550000)` returns a string `154:19:10`. Write a test program that prompts the user to enter a long integer for milliseconds and displays a string in the format of hours:minutes:seconds.

3. **Sum and average** Write a program that asks the user to enter 10 integers and performs the following steps:

   a. Calculates and displays the sum of all the integers

   b. Calculates and displays the average of all the numbers

   c. Displays for each number, whether it is greater than, equal to, or less than the average.

4. **Smallest element** Write a program that asks the user to enter 10 integers, and displays the index of the smallest number.