JIU IT Major 20230124 PMJ, AEJ

Object-Oriented Programming

Practice Day 1



Question 1. Kilometer Per Mile

2.7.2 Translate the following algorithm into Java code:

- Step 1: Declare a double variable named miles with an initial value 100.
- Step 2: Declare a double constant named KILOMETERS_PER_MILE with value 1.609.
- Step 3: Declare a double variable named kilometers, multiply miles and KILOMETERS_PER_MILE, and assign the result to kilometers.
- Step 4: Display kilometers to the console. What is kilometers after Step 4?



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How to receive miles from user instead of declare miles?





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TABLE 2.2 Methods for Scanner Objects

Method	Description
nextByte()	reads an integer of the byte type.
nextShort()	reads an integer of the short type.
nextInt()	reads an integer of the int type.
nextLong()	reads an integer of the long type.
nextFloat()	reads a number of the float type.
nextDouble()	reads a number of the double type.

How to receive miles from user instead of declare miles?

2.10.2 Which of the following are correct literals for floating-point numbers?

12.3, 12.3e+2, 23.4e-2, -334.4, 20.5, 39F, 40D

- 2.10.3 Which of the following are the same as 52.534? 5.2534e+1, 0.52534e+2, 525.34e-1, 5.2534e+0
- 2.10.4 Which of the following are correct literals? 5_2534e+1, _2534, 5_2, 5_

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Question 3. Sum the digits

**2.6 (Sum the digits in an integer)

Write a program that reads an integer between 0 and 1000 and adds all the digits in the integer. For example, if an integer is 932, the sum of all its digits is 14.

Hint: Use the % operator to extract digits, and use the / operator to remove the extracted digit.

For instance, 932 % 10 = 2 and 932 / 10 = 93.

Here is a sample run:

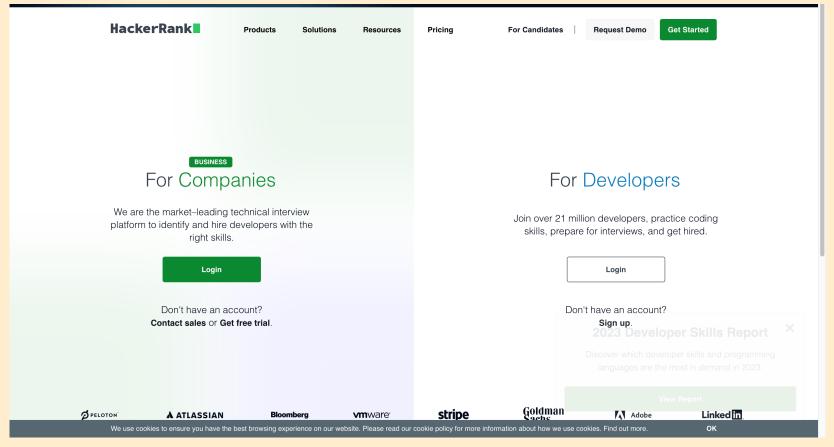
Enter a number between 0 and 1000: 999 The sum of the digits is 27



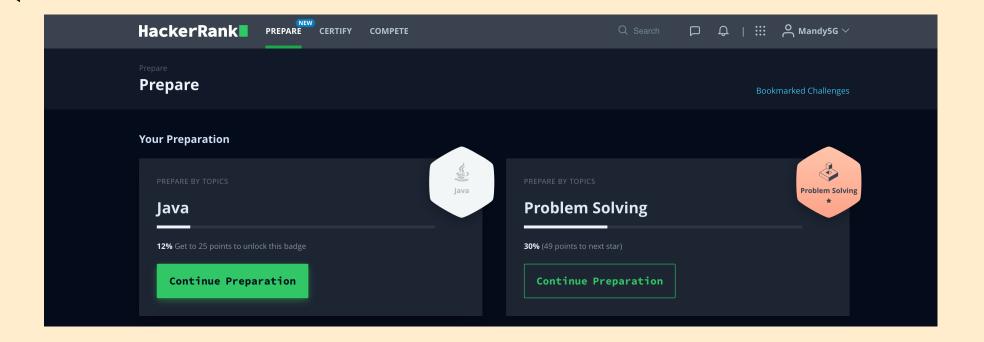


Question 3. Stdin and Stdout

https://www.hackerrank.com/



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Introduction to Fava

The term Java from Java island....

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