



## Easy:

- Write a Java program to compute a specified formula.

*Specified Formula:*

$$4.0 * (1 - (1.0/3) + (1.0/5) - (1.0/7) + (1.0/9) - (1.0/11))$$

*Expected Output:*

2.9760461760461765

## Intermediate:

- Write a Java program to compare two numbers. Test Cases: [ Greater than, Less than, Equal to, Not equal to, Greater than or equal to, Less than or equal to]

*Input Data:*

Input first integer: 25

Input second integer: 39

*Expected Output:*

25 != 39

25 < 39

25 <= 39

## Hard:

- Create a program that will accept an order from the user. Before taking an order, the program must ask first the name of the user. It will also accept a total number of order to show the total amount to be pay. The program can also accepts user's payment after taking order then will test if the payment if insufficient, sufficient, or exact amount. The transaction will not proceed and the execution of the program will stop if the payment is insufficient. Once the payment is sufficient or in exact amount, the program will display the total change of the user's and the transaction will end with a "Thank You" message.

Sample Output and Given Menu:

Welcome to Java Store!

Enter Customer's Name: Juan Dela Cruz

Menu:

[C] – Coffee 15.00

[M] – Milk 50.00

[T] – Tea 25.00

Enter order here: M

How many order of Milk: 3

The total amount to be pay is: 150.00

Enter payment: 500.00

Juan Dela Cruz, Your change is 350.00, thank you for ordering!