Extra credit problem: Calculating Tips at a Restaurant using Methods (worth 5 points)

Giving tips at a restaurant is usually a good idea, especially if you want to avoid your food tasting funny the next time you visit! Let us try writing a piece of Java code that uses methods to determine how much your total bill, including your tip, should turn out to be.

The only input that we will use is the bill that the waiter brings you. Based on the amount of the bill, we can compute what percentage tip we should give. Let's say:

- If the bill is less than $10, we only give a 10% tip.
- If the bill is between $10 and $20, we give a 20% tip
- If the bill is more than $20, we give a 25% tip

So, to calculate the percentage tip, have a method that takes in the bill amount as an input (use a double variable) and returns what the % tip should be.

Now that we know the bill amount and the % tip, we need to calculate the total bill – use another method for this. This second method would take in two input parameters (the bill amount and the % tip) and return the total bill.