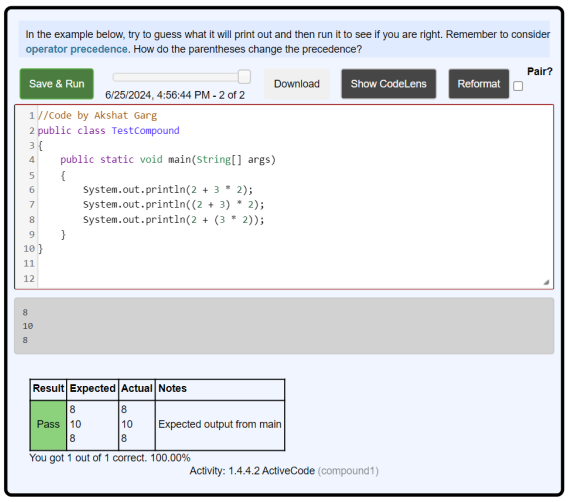
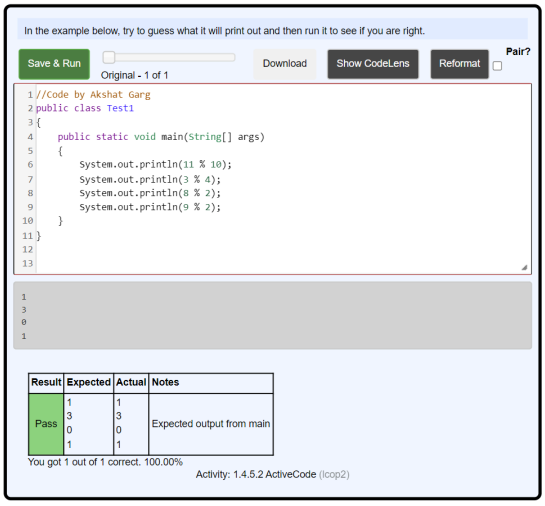
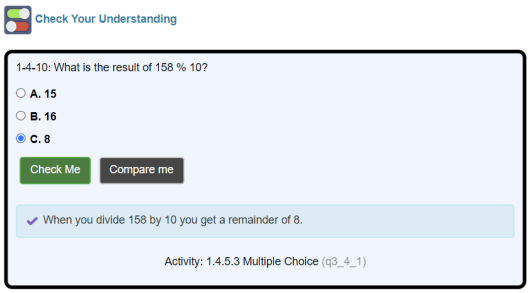
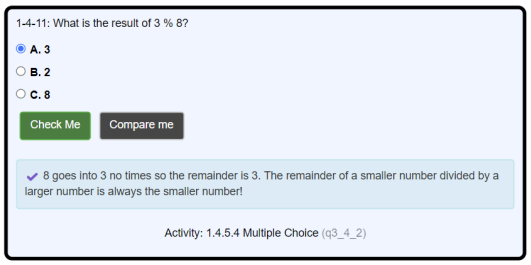


1.4.4 Operators ^







1.4.5 Modulo Operator ^

Calculate your age and your pet's age from the birthdates, and then your pet's age in dog years.

Save & Run | 6/25/2024, 4:58:45 PM - 4 of 4 | Download | Show CodeLens | Reformat | Pair?

```
//Code by Akshat Garg
public class Challenge1_4
{
    public static void main(String[] args)
    {
        // Fill in values for these variables
        int currentYear = 2024;
        int birthYear = 2008;
        int dogBirthYear = 2010;

        // Write a formula to calculate your age from the currentYear and
        // your birthYear variables
        int age = currentYear - birthYear;

        // Write a formula to calculate your dog's age from the currentYear
        // and dogBirthYear variables
        int dogAge = currentYear - dogBirthYear;

        // Calculate the age of your dog in dogYears (7 times your dog's age
        // in human years)
        int dogYearsAge = dogAge * 7;

        // Print out your age, your dog's age, and your dog's age in dog
        // years. Make sure you print out text too so that the user knows what
        // is being printed out.

        System.out.println("Your age is " + age + " years!");
        System.out.println("Your dog's age is " + dogAge + " years!");
        System.out.println("Your dog's age in dog years is " + dogYearsAge + " years!");

    }
}

```

```
Your age is 16 years!
Your dog's age is 14 years!
Your dog's age in dog years is 98 years!
```

Result	Expected	Actual	Notes
Pass	true	true	Checking that code contains formula for age
Pass	true	true	Checking that code contains formula for dogAge
Pass	true	true	Checking that code contains formula for dogYearsAge using dogAge
Pass	1+ characters	90	Checking that you have some output
Pass	At least one	3	Checking that you have at least one print statement
Pass	true	true	Checking that you initialized the three variables

You got 6 out of 6 correct. 100.00%

Activity: 1.4.6.1 ActiveCode (challenge1-4)

1.4.6 Dog Years Calculator ^