

Practice with method headers

Solutions

Note: other solutions often are possible!

Write a method header (just the header, not the whole method) for each of the following.

1. A method that, given a person's birth date, returns whether or not their birthday has already passed this year.

```
public static boolean pastBirthday(int month, int day)
```

2. A method that, given a person's birth date, returns how old they are.

```
public static int age(int year, int month, int day)
```

3. A method that, given a number, prints a square of *s with size equal to the input number.

```
public static void printSquare(int size)
```

4. A method that, given a student's ID number and a CS department course number, returns whether the student has satisfied the prerequisites to take the specified course.

```
public static boolean prereqs(int id, int courseNum)
```

5. A method that, given a number, prints whether that number is a perfect square.

```
public static void perfectSquare(int num)
```

Note: we might want the input parameter to be of type double here. It depends on how we plan to use this method in our program.

6. A method that, given a number, returns the square root of that number.

```
public static double squareRoot(int num)
```

Note: again, we might want the input parameter to be of type double. We probably do not want the return type to be int, though.