Question 1. Start your main method with the following variable declaration (and initialization):

```java
int x = 5;
```

Write code that displays (System.out.println) the value $5! = 5\times4\times3\times2\times1 = 120$. You may not use any numbers/constants other than the one in the line above (i.e. you cannot directly use “4” anywhere, or even “5” again).

(Hint: you may need more than one variable).

Sample output:
120

Question 2. Write a program that asks for these values (in this order):
Partner 1’s full name
Partner 1’s height (approximate)
Partner 2’s full name (or an imaginary friend)
Partner 2’s height
(Hint: there is a tricky part here... Think about what input is still around after you put it into variables.)

Sample output
Enter first partner:
James Parker
Enter James's height:
80
Enter second partner:
Sally
Enter Sally's height:
120
If James Parker and Sally stand on top of each other, their combined height is 200

Question 3. Ask for one partner's full name (you should enter it in the format: [first] [(middle)] [last]). Modify this input as display it with the last name first followed by a comma. (Format: [last], [first] [(middle)] ). This must work for both 2 or 3 (or any) number of names. You may assume the last word is the last name.
Question 4. Write a simple integer calculator. This should be able to handle +, -, / (integer division), and *. The user should input in the format: [integer][operator][integer]. For example: 2+56 or 5*3 (it is easier to make the calculator work if there are spaces between the integers and the operator). Make your program not crash as long as the input is in this format. Your program should only compute one number then stop. You should display both what the user entered and the numeric result.

Sample output
Enter an equation:
7 + 1
7 + 1 = 8