Project 2 - Tips

You need to figure out the pattern of spaces and symbols to print in order to make the diamond.

Row							
Row 0 ⟶				B			
Row 1 ⟶			B	B	B		
Row 2 ⟶		B	B	B	B	B	
⋮	B	B	B	B	B	B	B
		B	B	B	B	B	
			B	B	B		
				B			

1. Don't forget you can combine strings by adding them: `"try" + "this" + " out  !"`.

2. How many spaces do you need to print in the first row (row zero) before the first character of the diamond?

3. How does the number of spaces you need change as you go down to the next row?

4. How many (non-space) characters do you need in each row of the diamond?

5. How could you use for-loops to automate the patterns above?

6. Would it be helpful to use more than one for-loop for different parts of the diamond?

7. It helps to know the location of the middle row. With n rows, the middle row is n divided by 2 rounded down (if you start counting from row 0). Use the **integer division** operator `//` which divides integers and returns the answer without the remainder. Here are some examples:

```
4 // 2 # returns 2
7 // 2 # returns 3
```