

Day 04 - Formatted String Literals



How did you get on with yesterday's challenge? I hope you had a great time and enjoyed it a lot. One thing that always bothered me while writing basic outputs like that was that it was also so long winded and that I would have to print the question as a string and then the answer as numbers.

I used to wish there was a better way! Well luckily there is!

Formatted string literals or f-strings, allows us to combine python code like arithmetic and strings! Create your Day04 and main.py file and let's dive straight in:

```
main.py ×
Day 04 > main.py
1 print("5 + 5 =")
2 print(5 + 5)
3 print(f"5 + 5 = {5 + 5}")
4
```

By using an f at the beginning of your "string" you can use the curly braces to write Python code! How cool is that?!

Now we don't need to have extra print() functions all over the place. We can be precise and to the point. Here are some cool examples below:

```
main.py ×
Day 04 > main.py
1 print(f"{5 + 5}")
2
3 print(f"Hi, 5 + 5 is {5 + 5}")
4 print(f"I spend ${12*52} a year on coffee.")
5 print(f"Python is clever. It knows that 2*2 is {2 * 2}."
6 It knows there are {7*52} days in a year.
7 WAIT! Where did the 365th day go!?!?
8 """
9 print("\n\nBonus trick:")
10 print(f"Print me 33 stars = {'*' * 33}")
```

```
Python - Day 04
10
Hi, 5 + 5 is 10
I spend $624 a year on coffee.
Python is clever. It knows that 2*2 is 4.
It knows there are 364 days in a year.
WAIT! Where did the 365th day go!?!?

Bonus trick:
Print me 33 stars = *****
```

Notice the different colors of the text. You will also notice that line 9 doesn't use an f-string but rather a normal string with line breaks (new lines)

